

FILE NOTATIONS

Entered in NID File

Checked by Chief

Entered On S R Sheet

Copy NID to Field Office

Location Map Pinned

Approval Letter

Card Indexed

Disapproval Letter

IWR for State or Fee Land

COMPLETION DATA:

Date Well Completed: 8/18/60

Location Inspected \_\_\_\_\_

OW  WW \_\_\_\_\_ TA \_\_\_\_\_

Bond released \_\_\_\_\_

GW \_\_\_\_\_ OS \_\_\_\_\_ PA \_\_\_\_\_

State of Fee Land \_\_\_\_\_

LOGS FILED

Driller's Log 10/20/60

Electric Logs (No. ) 2

E \_\_\_\_\_ I \_\_\_\_\_ E-I \_\_\_\_\_ GR \_\_\_\_\_ GR-N \_\_\_\_\_ Micro \_\_\_\_\_

Lat \_\_\_\_\_ MI-L  Sonic  Others \_\_\_\_\_

well bore C/K of 4/30/63

They have a blanket bond to cover all State Leases.

(SUBMIT IN TRIPPLICATE)

Land Office Utah  
Lease No. ML 13692  
Unit \_\_\_\_\_

		<b>X</b>

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<b>X</b>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

March 21, 1960

Well No. 2 is located 660 ft. from N line and 660 ft. from E line of sec. 16

NE 1/4 Sec., 16 (1/4 Sec. and Sec. No.)      30S (Twp.)      24E (Range)      Salt Lake (Meridian)  
Northwest Lisbon (Field)      San Juan (County or Subdivision)      Utah (State or Territory)

The elevation of the derrick floor above sea level is \_\_\_\_\_ ft. **to follow**

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

It is proposed to drill a well on the above location to test the McCracken formation at approximately 9200', and all other formations encountered. Navajo formation lies on the surface. The surface casing will consist of approximately 300' of 13-3/8" 48# N-40 8r casing, cemented to surface. The Paradox salt will be encountered at approximately 4300'. A 12-1/4" hole will be drilled from the bottom of surface casing to the top of the salt, and an engineered string of 9-5/8" casing run if necessary. If commercial production is encountered an engineered string of 5-1/2" or 7" casing will be run and cemented to protect all commercial horizons.

The well will be spudded as soon as approval is received.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Belec Petroleum Corporation  
Address P. O. Box 774  
Grand Junction  
Colorado  
By A. Frisch  
Title District Engineer

March 23, 1960

Belco Petroleum Corporation  
P. O. Box 774  
Grand Junction, Colorado

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Belco State 2, which is to be located 660 feet from the north line and 660 feet from the east line of Section 16, Township 30 South, Range 24 East, SL, San Juan County, Utah.

Please be advised that approval to drill said well is hereby granted. However, said approval is conditional upon a bond being filed with the State Land Board, 105 State Capitol Building, Salt Lake City, Utah, in accordance with the terms of Mineral Lease No. 13692, and also a Plat being submitted in accordance with Rule C-4, General Rules and Regulations and Rules of Practice and Procedure, Oil & Gas Conservation Commission, State of Utah.

The approval for drilling this well terminates with 90 days if the above mentioned well is not spudded within said period.

Should it be necessary to plug and abandon said well you are hereby requested to give advance notice of the date and time said plugging will take place to one of the following named individuals, by phone or otherwise, in order that our petroleum engineer may be present to inspect the manner in which the well is being plugged:

Robert L. Schmidt, Chief Petroleum Engineer  
Office Phone: DA 8-0701, or DA 2-4721, Ext. 438  
Home Phone: HU 5-2406

March 23, 1960

**Cleon B. Feight, Executive Secretary**

Office Phone: DA 8-0701, or DA 2-4721, Ext. 438

Home Phone: HU 5-2721

All other forms of communication should be directed to the Utah Oil & Gas Conservation Commission at 310 Newhouse Building, 10 Exchange Place, Salt Lake City 11, Utah.

Very truly yours,

**OIL & GAS CONSERVATION COMMISSION**

**CLEON B. FEIGHT,  
EXECUTIVE SECRETARY**

CBF:awg

cc: State Land Board

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

State **Utah**  
LAND OFFICE **ML-13692**  
LEASE NUMBER  
UNIT

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State **Utah** County **San Juan** Field **NW Lisbon**

The following is a correct report of operations and production (including drilling and producing wells) for the month of **April**, 19**60**,

Agent's address **P. O. Box 774 Grand Junction, Colorado** Company **HELCO PETROLEUM CORP.**

Phone **CH 3-0682** Signed **[Signature]** Agent's title **District Engineer**

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NE NE 16	30S	24E	2	-						Spudded 4/10/60. Drilled to 425' w/cable tools and ran 13-3/8" 48# H-40 to 424' & cemented w/ 190 sx. on 4/19/60.  waiting on rotary tools.

NOTE.—There were **No** runs or sales of oil; **No** M cu. ft. of gas sold;  
runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

BELCO PETROLEUM  
CORPORATION

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P. O. BOX 302 774 BIG PINEY, WYOMING

TELEPHONES: 5121  
5431

CH 3-0682

Grand Junction, Colorado

April 8, 1960

Mr. Cleon B. Feight, Utah Oil & Gas Comm.  
310 Newhouse Building, 10 Exchange Place  
Salt Lake City 11, Utah

Gentlemen:

There were two errors in our Notice of Intention to drill on our Belco State #2 located 660' from N line and 660' from E line of Sec. 16, T 30 S, R 24 E, San Juan County, Utah.

The Land Office should show State, and the lease number ML-13692. The Location should show NE 1/4 Sec. 16 instead of NE 1/4 Sec. 30.

We are sorry for this inconvenience and will make every attempt to keep these reports as accurate as possible in the future.

Very truly yours,

BELCO PETROLEUM CORPORATION

*Adolph Frisch*

Adolph Frisch  
District Engineer

AF:gl

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

State **ML-13692**  
LAND OFFICE  
LEASE NUMBER  
UNIT

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County San Juan Field NW Lisbon

The following is a correct report of operations and production (including drilling and producing wells) for the month of May, 1960,

Agent's address P. O. Box 774 Company BELCO PETROLEUM CORP.  
Grand Junction, Colorado Signed E. FRISCH

Phone CH 3-0682 Agent's title District Engineer

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NE NE Sec. 16	30S	24E	2	-						3828' Drilling

cc: USGS (2)  
U-OGCC (2)  
ABB  
DCB

NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold; no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

*Rd*

		<b>X</b>

**STATE OF UTAH**  
**OIL & GAS CONSERVATION COMMISSION**  
 SALT LAKE CITY, UTAH

Fee and Patented.....  
 State .....  
 Lease No. **ML-13692**  
 Public Domain .....  
 Lease No. ....  
 Indian .....  
 Lease No. ....

**SUNDRY NOTICES AND REPORTS ON WELLS**

Notice of Intention to Drill.....	Subsequent Report of Water Shut-off.....	
Notice of Intention to Change Plans.....	Subsequent Report of Altering Casing.....	
Notice of Intention to Redrill or Repair.....	Subsequent Report of Redrilling or Repair.....	
Notice of Intention to Pull or Alter Casing.....	Supplementary Well History.....	
Notice of Intention to Abandon Well.....		
	<b>Subsequent report on Surface Casing</b>	<b>X</b>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

..... **May 5** ....., 19 **60**

Well No. **Belco State #2** is located **660** ft. from **{N}** line and **660** ft. from **{E}** line of Sec. **16**

**NE 1/4 Sec. 16**                      **30 S**                      **24 E**                      **Salt Lake**  
(1/4 Sec. and Sec. No.)                      (Twp.)                      (Range)                      (Meridian)  
**Northwest Lisbon**                      **San Juan**                      **Utah**  
(Field)                      (County or Subdivision)                      (State or Territory)

The elevation of the derrick floor above sea level is ..... feet. to follow

A drilling and plugging bond has been filed with .....

**DETAILS OF WORK**

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

The well was spudded on April 10, 1960, and a 15" hole drilled to 425' with cable tools.

Surface Casing consisting of 13 Jts. of 13-3/8" 48# H-40 was set at 424' ground level and cemented w/190 sacks Ideal regular cement. Cement was in place at 9:00 P.M. April 19, 1960.

The Cable Tools have moved off and we are presently waiting on Rotary Tools.

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company **BELCO PETROLEUM COMPANY**  
 Address **P. O. Box 774** By *A. French*  
**Grand Junction, Colorado** Title **District Engineer**

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE State  
LEASE NUMBER ML-13692  
UNIT \_\_\_\_\_

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field NW Lisbon

The following is a correct report of operations and production (including drilling and producing wells) for the month of June, 1960,

Agent's address P. O. Box 774 Company BELCO PETROLEUM CORPORATION  
Grand Junction, Colorado Signed A. FRISCH

Phone CH 3-0682 Agent's title District Engineer

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
16 NE NE	30S	24E	2	—						7849' Drilling.

cc: USGS (2)  
VOGCC (2)  
ABB  
DCB

NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold;

no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE State  
MI-1392  
LEASE NUMBER \_\_\_\_\_  
UNIT \_\_\_\_\_

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field NW Lisbon

The following is a correct report of operations and production (including drilling and producing wells) for the month of July, 1960,

Agent's address P. O. Box 774 Company HELCO PETROLEUM CORP.  
Grand Junction, Colorado Signed R. L. Kendergrass  
CH 3-0682 Agent's title District Engineer

Phone \_\_\_\_\_

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
16 NE NE	30S	24E	2	---						8727' Coring.

cc: USGS (2)  
USOCC (2)  
ABR  
DCB

NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold;

no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE State  
LEASE NUMBER ML-13692  
UNIT \_\_\_\_\_

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County San Juan Field NW Lisbon

The following is a correct report of operations and production (including drilling and producing wells) for the month of August, 1960.

Agent's address P. O. Box 774 Company BELCO PETROLEUM CORP.  
Grand Junction, Colo. Signed A. FRISCH

Phone GH 3-0682 Agent's title District Engineer

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
16 NE NE	30 S	24 E	2							TD 9120'. Ran 7" casing to 9117' & cemented w/1325 sz cement. Testing.

cc: USGS (2)  
UOGCC (2)  
ABB  
DCB

NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold;

no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

AFFIDAVIT

I hereby swear that a copy of the Sundry Notice of Intention to Dual Complete, as presented to the State of Utah Oil and Gas Conservation Commission, has been sent to all owners of land within one-half mile radius of the Belco State #2 well located 660 ft. from the north line and 660 ft. from the east line of Section 16, Township 30 S, Range 24 E, San Juan County, Utah.

These owners are:

Elliott, Inc.

Standard Oil Company of California

Quintana Oil & Gas Company

Texas Eastern Transmission Corp.

Featherstone Corporation

Pure Oil Company

Humble Oil & Refining Co.

Elliott Production Co.

STATE OF COLORADO

COUNTY OF MESA

*Robert J. Royce*  
BELCO PETROLEUM CORPORATION

The foregoing Affidavit was acknowledged before me this Twenty-Fourth day of August, A. D. 1960, by *Robert J. Royce*, Belco Petroleum Corporation.

*My Comm expires 11/13/60*  
*L. C. Wilson*  
Notary Public

		X

STATE OF UTAH  
**OIL & GAS CONSERVATION COMMISSION**  
 SALT LAKE CITY, UTAH

Fee and Patented.....  
 State ..... Utah   
 Lease No. ML-13692.....  
 Public Domain .....  
 Lease No. ....  
 Indian .....  
 Lease No. ....

**SUNDRY NOTICES AND REPORTS ON WELLS**

Notice of Intention to Drill.....		Subsequent Report of Water Shut-off.....	
Notice of Intention to Change Plans.....		Subsequent Report of Altering Casing.....	
Notice of Intention to Redrill or Repair.....		Subsequent Report of Redrilling or Repair.....	
Notice of Intention to Pull or Alter Casing.....		Supplementary Well History.....	
Notice of Intention to Abandon Well.....			
Notice of Intention to Dual Complete.....	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 23, 1960

Belco State  
 Well No. 2 is located 660 ft. from {N} line and 660 ft. from {E} line of Sec. 16  
 NE Sec. 16 T 30 S R 24 E Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
 NW Lisbon San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~terrick floor~~ <sup>KB</sup> above sea level is 6229 feet.

A drilling and plugging bond has been filed with .....

**DETAILS OF WORK**

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

Belco Petroleum Corporation hereby requests permission to dual complete the Belco State #2 well in the McCracken and Mississippian horizons. Production casing consists of 23#, 26# and 29# 7" J-55 landed at 9117' and cemented with 1325 sacks cement. Formation tops taken from electrical logs are as follows: Mississippian 8221', McCracken 8958', Cambrian 9059'.

We were unable to run drill stem tests during drilling due to hole conditions, so we are not able, at this time, to give the exact producing intervals in each formation. We propose to produce from the lowest water-free zone in each formation. Core analysis and logs show that most of the Mississippian and McCracken formations are hard and tight, with numerous impervious zones throughout the section.

(Cont'd.)

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company..... BELCO PETROLEUM CORPORATION  
 Address..... P. O. Box 774  
 Grand Junction, Colorado  
 By..... *A. Frisch*  
 Title..... District Engineer

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

NOTICE OF INTENTION TO DUAL COMPLETE

Page 2

August 23, 1960

We propose to perforate and treat the McCracken formation and test for production, then set a production packer with sealing plug and complete in the Mississippian formation. After the Mississippian is perforated and tested, a dual string of 2-3/8" tubing will be run, with the McCracken producing from below the production packer.

R 24 E

9

10

Elkett Incorp.  
Utah 070449

Puro Oil Co &  
Pontherstone Corp  
Utah 014903

Standard Oil  
of Calif. &  
Quintana Oil  
Gas Co  
Utah 09179

Texas  
Eastern  
Transmission  
Utah  
015445

T  
3  
0  
5

state #2

16

Humble Oil  
& Refining Co  
Utah  
020691A

Contested  
land.  
Standard Oil  
Calif. &  
Quintana Oil  
& Gas Co 15  
Utah 09177

Balco Petroleum Corp

August 30, 1960

Belco Petroleum Corporation  
P. O. Box 774  
Grand Junction, Colorado

Attention: A. Frisch, District Engineer

Gentlemen:

This is to acknowledge receipt of your notice of intention to dual complete Well No. Belco State #2, which is located 660 feet from the north line and 660 feet from the east line of Section 16, Township 30 South, Range 24 East, SLM, San Juan County, Utah.

Please be advised that we are unable to approve this request at this time due to Pure Oil Company's application for 640 acre drilling and spacing units covering the known producing horizon of the Mississippi Lime for acreage upon which this well is located.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT,  
EXECUTIVE SECRETARY

CBF:awg



FOLD MARK

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	435' KB	190	Pump & Plug		
9-5/8	2580' KB	125	" "		
7"	9117' KB	1325	" "		

**PLUGS AND ADAPTERS**

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

**SHOOTING RECORD**

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

**TOOLS USED**

Rotary tools were used from 424 feet to 9120 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from 0 feet to 424 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

October 19, 1960 Put to producing October 11, 1960

The production for the first 24 hours was Miss. 580 barrels of fluid of which 100 % was oil; \_\_\_\_\_ %  
 emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Curay 68 Gravity, °Be Miss. 53° API at 60°  
Curay 46°

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

**EMPLOYEES**

B. E. Clapp, Driller J. Chrisley, Driller  
F. Young, Driller \_\_\_\_\_, Driller

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
0'	500'	500'	No samples.
500'	650'	150'	Sltst & Ss, brn-orng, rnd, w srted, p cnsl, /tr gn sh & tr mar sltst.
650'	1190'	540'	Sh, mar-brn, slty, calc/intbd dk gy-gn sh & intbd ss, var, vf, sbrnd-sbang, p srted, calc, shy, /tr ls.
1190'	1260'	70'	Cgl, qtzt, rnd, m gr, fros/admxd ss, f, rnd, fros, mica, p cnsl, dirty/sh mtx, red-mar-gy.
1260'	1680'	420'	Sh, red-brn-mar, slty, mica, dirty/mnr intbd ss, vf, gy, sbang, blot, slty, dirty.
1680'	2660'	980'	Sh, as abv/intbd ss, mar-pk, wh, vf, sbang, v calc in pt, arg, mica, ark/tr ls.
2660'	2800'	140'	Sh, brn-gn, slty, edy, mica, v calc; ls, lt-dk gy-tan, sblitho-frn; /mnr intbd ss, gy-gr, vf, drty, sbang, fri, slty/tr fros qtz gns.
2800'	3090'	290'	As the abv 140'/deer ls.
3090'	4280'	1190'	Ls, lt gy-tan-olv, hd, dns in most, crpxl/tr ool por/intbd sh, gy-blk, lmy, hd/v mnr tr ss/v thn cht strgs, smoky, hd.
4280'	4565'	285'	Sh, blk-gy, firm, v lmy-rthy/intbd anhy, wh, sft, flky & dol, lt gy-dk tan, suc, firm, dns in most, Crin, plty/tr ool por, but tt in most.

(OVER)

OCT 20 1960 48094-4

**FORMATION RECORD—Continued**

FROM—	TO—	TOTAL FEET	FORMATION
4565'	8103'	3538'	Salt, clr-wh, f-mxl, hd-sft, mas/mnr potash at base/intbd sh, blk, slty, sft & dol, blk-tan, rthy, hd/v noticeable anhy.
8103'	8220'	117'	ls, lt gy-tan, vfxl, hd, dns, mas/intbd sh, blk, carb, pyr, frm, /tr rd brn sh & cht.
8220'	8702'	482'	ls & dol, tan@gy-olv, crpxl-fxl, hd, mas, /mnr brcc & sh strks/pp & vug por/v mnr admxd cht.
8702'	8780'	78'	ls, wh-gy, crpxl, hd, dns, mas/mnr intbd, hd, gn sh.
8780'	8958'	178'	ls, as abv/intbd sh, hd, gn, aren/fltg, rnd, f, fros, qtz, sd gns.
8958'	9059'	101'	Dol, gy-tan, suc, hd/mnr intbd sh &/intbd ss, wh-brn, vf, sbang-sbrnd, hd, v dol.
9059'	9120' TD	61'	Dol, dk gy-blk, suc, f-crpxl, hd, dns, mas, shly.

**TOPS:**

650'	Chinle	Sample
1190'	Shinarump	"
1260'	Moenkopi	"
1680'	Cutler	"
2800'	Hermosa?	Log
4210'	Paradox	"
4569'	Salt Top	"
8094'	Salt Base	"
8221'	Miss.	"
8702'	Ouray	"
8780'	Elbert	"
8956'	McCracken	"
9059'	Cambrian	"

WELL HISTORY

BELCO STATE #2  
San Juan County, Utah

The above well was spudded on April 10, 1960, and 13-3/8" 48# H-40 Casing set at 424' ground level and cemented w/190 sacks Ideal regular cement on April 19, 1960.

Rotary tools were moved on and drilling resumed on May 16, 1960. Casing was tested to 700 psi for 1 hr. and a 12-1/4" hole drilled to 1206'. Hole size was reduced to 9" and drilled to 4349'. A fishing job was encountered, so the hole was reamed to 12-1/4" to 2590' and 65 jts. of 9-5/8" 36# J-55 was landed at 2580' and cemented w/125 sacks cement w/3% HA-5. Cement was in place on June 13, 1960. Casing was tested to 1000 psi for 1 hr. and drilling continued with an 8-3/4" hole to 8300' where core #1 was taken.

DST #1 was run and tools became stuck coming out of hole. Recovered fish and DST tool.

DST #1 8304-52': Gas to surface on initial shut in. IHP 5078, ISI 2900/45 min., IFF 130, FFP 215, PSI 2859/45 min. No fluid recovery due to fishing job.

The remainder of the hole to 9104' was cored with the exception of the zone from 8784-8809'. The hole from 9104' to 9120' was drilled. Gamma Ray-Scenic and Micro-lateral Logs were run to TD.

The hole was conditioned and production casing consisting of 236 jts. of 7" H-80 23#, 26# and 29# casing totaling 9106' was landed at 9117' and cemented w/1325 sacks 50-50 poxnix cement. The cement was in place on August 19, 1960. A Temperature Log showed cement top at 3250'.

The drilling rig was released on August 20, 1960, and a completion rig moved in. A Gamma Correlation Log was run and the zone from 9034-48' was perforated and tested.

Casing Test #1: 9034-38'. Tool open 2 hrs. w/no gas to surface, IHP 5278, IFF 54, FFP 1168, PSI 2912/75 min. Rec. 4000' of salt water. Squeezed perfs. w/50 sx cement to final pressure of 6000 psi.

Perforated 8990'-9004' and tested.

Casing Test #2: 8990-9004'. Tool open 2 hrs. w/weak blow throughout. IHP 5135, IFF 96, FFP 126, SIP 280. Swabbed recovery which was slightly brackish sulphur water w/skin of oil. Squeezed perfs. w/50 sx. cement to final pressure of 6000 psi.

The zone 8967-78' was perforated and tested.

Casing Test #3: 8967-78'. Very weak blow. IHP 5135, IFF 96, FFP 126, SIP 280/30 min. Swabbed w/no recovery. Let set 11 hrs. and recovered 350' of slightly oil-cut mud. Set cast iron bridge plug at 8960'.

The zone from 8914-40' was perforated and tested.

Casing Test #4: 8914-40'. Very weak blow. IHP 5105, IFF 121, FFP 113, PSI 146. Swabbed w/no recovery. Let set 12 hrs. and recovered 1/2 barrel of slightly oil-cut mud. Squeezed perfs. w/50 sx. cement to final pressure of 6000 psi.

The zone from 8697-8727' was perforated and tested.

Casing Test #5: 8697-8727'. Gas to surface in 15 min. w/5' flare decreasing to 2-1/2'. IHP 4975, IFF 302, FFP 550, SIP 1985. Swabbed 1 barrel oil/hr. w/no water. The perfs. were acidized w/500 gal. mud acid. Formation broke at 3600 psi and dropped to 1600 psi. Well on vacuum at end of job. Tested zone for 5 bbls/hr. of 46 gravity oil after flowing 48 hrs. Killed well w/oil and tried to take DST #6, but test was inconclusive.

Well History (Cont'd.)

Balso State #2

Perf. 8653-61', 8638-44', 8623-34', 8603-13', 8596-8601', 8569-93' and 8548-67' and set retrievable bridge plug at 8660' and packer at 8534'. Ran DST #7 and well started flowing.

DST #7 Final test on 9-20-60 20 bbls/hr. through 20/64" choke. IHP 2911, IFP 1473, YFP 2724, SIP 2887. Recovered DST tool and retrievable bridge plug.

Set Baker Model "D" production packer at 8675'. Ran 2" EUE tubing to packer and 2" Spangseal tubing to 8547' to dual complete in Ouray and Mississippian.

Tested on 10-13-60. Mississippian - 580 bbls. oil; Ouray - 68 bbls. oil.

P. O. Box 1809  
Durango, Colorado

June 18, 1962

The Pure Oil Company  
P. O. Box 265  
Moab, Utah

Gentlemen:

Office records indicate that the Belco Petroleum Corporation's No. 2 State well, located in the NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 16, T. 30 S., R. 24 E., San Juan County, Utah, was completed with a potential of 580 BOPD from the Mississippian and 68 BOPD from the Ouray. It is noted that the Ouray production has gradually increased and, since September 1961, the Ouray has been producing about 150 BOPD. It appears that there is a possibility that a packer between the Mississippian and Ouray zones may be leaking.

You are requested to run a packer leakage test on the well in order to see if there is loss of the unitized Mississippian production to the Ouray zone which is not unitized. If there is packer leakage, you are requested to take immediate action to prevent drainage from the Mississippian reservoir.

Please notify this office when you intend to run the test so that we will have an opportunity to witness.

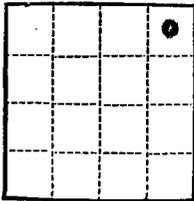
Very truly yours,

(Orig. Sig.) J. W. LONG

Jerry W. Long  
District Engineer

JWLong:mka

Copy to: Roswell  
Utah Oil and Gas Cons. Comm. (2) ✓



Sec. 16

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake  
Lease No. ML 13692  
Unit Lisbon

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

**Lisbon Unit** June 18, 1962

Well No. D-616 is located 660 ft. from N line and 660 ft. from E line of sec. 16

NE NE Sec. 16 30S 24E SLM

(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Lisbon San Juan Utah

(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is \_\_\_\_\_ ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Well designation changed due to unitization of Lisbon Field effective 5/1/62.

OLD DESIGNATION

Balco State #2

NEW DESIGNATION

Lisbon Unit #D-616

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company THE PURE OIL COMPANY

P. O. Box 265

Address Moab, Utah

Alpine 3-3581

By L. E. Cogges  
L. E. Cogges  
Office Manager

Title \_\_\_\_\_

			X

Sec. 16

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City  
Lease No. ML-13692  
Unit \_\_\_\_\_

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		Notice of change of well name	<b>X</b>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 20, 1962

Belco State  
Well No. 2 is located 660 ft. from  $\begin{matrix} N \\ S \end{matrix}$  line and 660 ft. from  $\begin{matrix} E \\ W \end{matrix}$  line of sec. 16  
NE/4 Sec. 16 30 S 24 E S1EM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
N. W. Lisbon San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6228 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

This well is located in the recently unitized N. W. Lisbon Unit. The well has been renamed D-616 for unit work. We propose to change the well from Belco State No. 2 to D-616 on all future correspondence.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Belco Petroleum Corporation  
Address P. O. Box 1400  
Grand Junction, Colorado  
By A. Frisch  
Title District Engineer

April 29, 1965

Belco Petroleum Corporation  
304 Main Street  
Room 1  
Grand Junction, Colorado

Attention: Mr. A. Frisch

Re: Gas Flaring - Ouray Production  
State #2 (Della)  
Sec. 16, T. 30 S., R. 24 E.  
Lisbon Field  
San Juan County, Utah

Dear Sir:

Upon checking our records we find that the production from this well has increased with a corresponding increase in gas production. This gas is being flared.

We realize that this is non-unitized production; however, we are concerned with the seemingly unnecessary flaring of this gas.

We would like to know if it would be possible to better utilize this gas, considering that gas gathering facilities are nearby.

We would appreciate any comments you may have regarding this possibility.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

HARVEY L. COOMBS  
PETROLEUM ENGINEER

HLC:pcp

cc: Pure Oil Company  
P. O. Box 1338  
Moab, Utah

**BELCO PETROLEUM**  
CORPORATION

*PMB*

P. O. BOX 1964 304 MAIN STREET  
TELEPHONE 242-7202  
GRAND JUNCTION, COLORADO 81502

December 1, 1965

Mr. Paul W. Burchell  
Chief Petroleum Engineer  
Utah Oil & Gas Conservation Commission  
348 East South Temple, Suite 301  
Salt Lake City, Utah 84111

Dear Mr. Burchell:

Re: Belco State #2, N. W. Lisbon

There was considerable delay on commencing operations on this well--first on waiting on a workover unit, and later on the interpretation of the Operating Agreement.

A workover unit was moved on the well on November 17, 1965. Both strings of tubing were pulled, and a new packer was run to separate the Mississippian and Ouray zones. The tubing mandrels in the tubing spool were both cracked and two collar leaks were found in the Ouray string as the tubing was hydro-tested when re-run into the well.

Both zones were put back on production November 28, 1965. I checked the well on November 30, 1965, with the Mississippian zone flowing at 1150 psi and the Ouray at 75-100 psi. Mr. Long was in Union Oil of California's Moab office on the same day and checked all details of the workover. We are having some trouble cleaning up the water after killing the well, but will run a packer leakage test in the near future.

Very truly yours,

BELCO PETROLEUM CORPORATION

*A. Frisch*  
\_\_\_\_\_  
A. Frisch  
District Superintendent

AF:gl

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN THE REVERSE SIDE  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Utah ML 13692

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Lisbon

9. WELL NO.

D-616 - Ouray & Miss.

10. FIELD AND POOL, OR WILDCAT

Lisbon-Miss. & Ouray

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 16, T-30S, R-24E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Union Oil Company of California

3. ADDRESS OF OPERATOR  
P. O. Box 1611 - Casper, Wyoming

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
660' FNL and 660' FEL, NE NE

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
(Other)

PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF   
FRACTURE TREATMENT   
SHOOTING OR ACIDIZING   
(Other)

REPAIRING WELL   
ALTERING CASING   
ABANDONMENT\*

Supplementary Well History

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

See attachment for work performed during leakage test between the Mississippian and Ouray formations.

18. I hereby certify that the foregoing is true and correct

ORIGINAL SIGNED BY

SIGNED R. E. DAVIS  
R. E. Davis

TITLE District Office Manager

DATE 12-14-65

(This space for Federal or State office use)

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

SUNDRY NOTICES AND REPORTS ON WELLS

Lisbon Well D-616 - Ouray & Mississippian  
660' FNL & 660' FEL, NE NE  
Sec. 16, T-30S, R-24E  
San Juan County, Utah

Lease No: Utah ML 13692

Supplementary Well History

December 14, 1965

Killed well with fresh water. Found locator collars on Ouray and Mississippian tubing strings cracked and leaking. Pulled Mississippian tubing string and found tubing O.K. Unable to unlatch Ouray tubing. Pulled 60,000# on 2-3/8" tubing with Bowen spear. Set slips on tubing. Removed cracked National dual completion collar hanger. Worked tubing. Unable to unlatch. McCullough ran free point indicator. Checked movement at 8,000', 8,500', 8,650'. Model "D" set at 8,675'. Tight spot at 8,650'. Unable to locate smaller tools.

Picked up 2 - 3/4" sucker rods with jars and 15' of 1-3/4" sinker bars and collar locator above rods. Ran in hole. Did not hit anything until 1-3/4" tools reached 8,650'. Worked tools down hole 13'. Pulled and re-ran tools. Worked tools down hole to 8,685'. Pulled out of hole. Left 1-3/4" sucker rod, 1 - 1-3/4" sinker bar (5-1/2' - with box looking up) in hole. Top of fish at 8,679', bottom at 8,710'. Bottom of mud anchor at 8,714'. Unable to recover fish with spear and shop made tool. Ran 1-5/8" driving tool. Drove fish to bottom. Top of fish at top of Model "D".

Ran McCullough collar locator and 100 gram string shot twice and fired in Model D packer with 8 - 12 rounds of torque in tubing. Rotated tubing and worked with 51-70,000# pull. Unable to pull loose. Worked tubing 1-3/4 hours. Tubing came free...parted. Recovered 3,647' of 2-3/8" tubing leaving 2-3/8" collar looking up. Ran McCullough chemical cutter to 6,050'. Unable to go deeper. Pulled out of hole. Ran 900 gram primer cord string shot. Located top of packer and fired shot in collar at top of packer 8,680' - 8,683'. No surface indication of splitting collar. Worked pipe two hours. No success. Rigged up and ran 500 gram string shot. Fired shot at 8,680' - 8,683' with 70,000# pull on tubing. Pulled out of hole with fish. Found split tubing collar in overshot. 500 gram shot broke off Model "D" packer in no left turn latching assembly. Recovered all of tubing, including sucker rod and sinker bar that was left in tubing. Hole clean except for Model "D" packer.

Ran 2-3/8" OD J-55 Ouray tubing string and set in Baker Model "K" double grip snap set dual packer. Bottom of dual packer at 8,514.33', top of lower packer, Baker Model "E" double grip hydrostatic single string, at 8,666.31'.

Ran 2-3/8" Mississippian tubing string and landed in Model "K" dual packer. Set down 10,000# of weight on packer. Filled annular space between two strings of tubing and 7" casing with water treated with Cronox 235. Tested tubing to 5000#. Tested tubing head on well to 2000#. All tested O.K. Swabbed Mississippian formation in and cleaned to pit and then turned to Plant. Swabbed Ouray zone. Ouray would not flow. Shut in afternoon of December 1, 1965. Kicked Ouray formation off at approximately 11:00 p.m. 12-6-65. Flowed on 10/64" choke, TP 150#. Well produced 70 bbls. of oil up to 4:00 p.m. 12-7-65 and died at 11:00 a.m. 12-8-65. On 12-8-65 Mississippian formation produced 40.2 BOPH, 33/64" choke, TP 1170.  
FINAL REPORT.

UOGCC

Form 9-331  
(Rev. 1965)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE (Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1424. 5. LEASE DESIGNATION AND SERIAL NO.

State ML13692 6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [X] GAS WELL [ ] OTHER [ ]

7. UNIT AGREEMENT NAME Lisbon Unit 8. FARM OR LEASE NAME

2. NAME OF OPERATOR Belco Petroleum Corporation 3. ADDRESS OF OPERATOR

9. WELL NO. Lisbon Unit D-616 10. FIELD AND POOL, OR WILDCAT

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.) At surface

11. SEC., T., S., M., OR BLK. AND SURVEY OR AREA N.W. Lisbon Section 16, T30S, R24E

660' FNL & 660' FEL Section 16, T30S, R24E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6228' DF

12. COUNTY OR PARISH San Juan

13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF [ ] PULL OR ALTER CASING [ ] FRACTURE TREAT [ ] MULTIPLE COMPLETE [ ] SHOOT OR ACIDIZE [ ] ABANDON\* -Ouray [X] REPAIR WELL [ ] CHANGE PLANS [ ] (Other) [ ]

WATER SHUT-OFF [ ] REPAIRING WELL [ ] FRACTURE TREATMENT [ ] ALTERING CASING [ ] SHOOTING OR ACIDIZING [ ] ABANDONMENT\* [ ] (Other) [ ]

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Propose to abandon the Ouray zone in Lisbon Unit well No. D-616, Lisbon Field, San Juan County, Utah (Belco State 2 - Ouray). The Ouray zone is uneconomical to produce due to depletion and the necessary abandonment work can be completed in conjunction with proposed workover operations on the Mississippian zone by Union Oil Company of California, Unit Operator.

Procedure:

- 1. Kill well and pull 2 strings of 2-3/8" EUE tubing and associated packers. 2. Run Baker model "D" Latching-Type packer plug and set in Model "D" production packer at 8675'. Dump 2 sacks cement on top of packer. 3. Proceed with workover of Mississippian zone.

APPROVED BY DIVISION OF OIL & GAS CONSERVATION

DATE March 13, 1968 BY Paul W. Burchell Chief Petroleum Engineer

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Petroleum Engineer DATE March 11, 1968

(This space for Federal or State office use)

APPROVED BY TITLE DATE CONDITIONS OF APPROVAL, IF ANY:

Don Smith - Belco

3/13/68

Loison - Want to Plug off Un-unitized Survey

D-616 (Ltbl #2)

Survey function + Miss (Consumption Problem)

↓  
Completely Depleted

Send Miss Will recover Miss @ want to plug survey at same time -

Baker D <sup>small</sup> packer <sup>set</sup> at 8675'

Miss - 8661 - Perf

8697-8727 - Survey  
Perf

PBTD 9080 → coal to  
7" 9117

T.D. 9120

↓  
Will "lock" Packer set  
a few ft of ~~coal~~ concretion  
top

OK

Paul W. Burchell

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

State **ML13692**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

7. UNIT AGREEMENT NAME

**Lisbon Unit**

8. FARM OR LEASE NAME

9. WELL NO.

**Lisbon Unit D-616**

10. FIELD AND POOL, OR WILDCAT

**N.W. Lisbon**

11. SEC., T., S., M., OR BLK. AND SURVEY OR AREA

**Section 16, T30S, R24E**

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

**Belco Petroleum Corporation**

3. ADDRESS OF OPERATOR

**P.O. Box 250 - Big Piney, Wyoming 83113**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

**660' FWL & 660' FWL  
Section 16, T30S, R24E**

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

**6228' DF**

12. COUNTY OR PARISH

**San Juan**

13. STATE

**Utah**

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other) **Quarry Formation**

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**Abandonment of Quarry zone in Lisbon Unit well No. D-616, Lisbon Field, San Juan County, Utah (Belco State 2 - Quarry) was completed as follows:**

1. Set plug in packer at 8675'.
2. Dumped 2 sacks cement on top of plug. TOC 8668'.
3. Union Oil Company of California, Unit Operator, proceeded with workover of Mississippian zone.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

**District Engineer**

DATE

**May 18, 1968**

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

8. Lease Designation and Serial Number

ML13692

7. Indian Allottee or Tribe Name

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT— for such proposals

8. Unit or Communitization Agreement

Lisbon Unit

9. Well Name and Number

Lisbon D-616

10. API Well Number

430371504900

11. Field and Pool, or Wildcat

Mississippian

1. Type of Well

- Oil Well
- Gas Well
- Other (specify)

2. Name of Operator

Union Oil Company of California

3. Address of Operator

3300 N. Butler, Ste 200, Farmington, NM 87401

4. Telephone Number

(505) 326-7600

5. Location of Well

Footage : 660' FNL & 660' FEL  
QQ, Sec. T., R., M. : NE NE, Sec 16, T30S, R24E

County : San Juan  
State : UTAH

**12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**NOTICE OF INTENT**  
(Submit in Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other Annual Status Report
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate Date Work Will Start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

- Abandonment \*
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other \_\_\_\_\_
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Date of Work Completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

This well was returned to production on January 16, 1992. The well was previously shut-in due to the limited capacity of the gas plant to process the produced gas.

RECEIVED

FEB 20 1992

DIVISION OF  
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature

*Craig A. Van Horn*

Title

Field Supt.

Date

2/17/92

(State Use Only)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE

RECEIVED  
SEP 17 1992  
DIVISION OF  
OIL & GAS ADMINISTRATION

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	7. If Unit or CA, Agreement Designation LISBON UNIT
2. Name of Operator UNION OIL COMPANY OF CALIFORNIA	8. Well Name and No. D-616
3. Address and Telephone No. 3300 N. BUTLER, SUITE 200, FARMINGTON, NM 87401 (505)326-7600	9. API Well No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 660' FNL AND 660' FEL   SEC16, T30S R24E	10. Field and Pool, or Exploratory Area LISBON
	11. County or Parish, State SAN JUAN, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

- 6/10 MIRU
- 6/11 ND Tree, NU BOP. Rel pkr @ 8246'. Set pkr @ 8186'. Test csg to 1600# for 30 min. - no bleed off. POH & LD prod equip.
- 6/12 RIH w/6" bit. Drill out CIBP @ 8540'. Pushed CIBP to 8675'. POH.
- 6/13 RIH w/pkr. Set pkr @ 8537' to test perms 8580-8661'. SI well over weekend.
- 6/16-22 Returned well to production for 7 day test.
- 6/23 Kill well. POH & LD pkr & W.S. RIH w/6" bit & 7" csg scraper to 8497'.
- 6/24 Finished RIH to 8665'. POH. R&L 274 jts 2-7/8", 6.5# J-55 tbg w/Guiberson UNI - 6 @ 8398'. ND BOP. NU wellhead. Pumped pkr fluid. Set pkr in 20 k compression.
- 6/29 Flowed 37 BOPD, + 0 BWPD + 3.5 MMCFD  
Prior: S.I.

14. I hereby certify that the foregoing is true and correct

Signed <u>[Signature]</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>7/6/92</u>
(This space for Federal or State office use)		
Approved by <u>[Signature]</u>	Title <u>Branch of Fluid Minerals Moab District</u>	Date <u>JUL 20 1992</u>
Conditions of approval, if any:		

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED  
MOAB FIELD OFFICE

**Unocal Corporation**  
14141 Southwest Freeway  
Sugar Land, Texas 77478  
P.O. Box 4551  
Houston, Texas 77210-4551  
Telephone (713) 491-7600

1996 NOV -4 AM 11: 03

DEPT OF THE INTERIOR  
BUREAU OF LAND MGMT



October 29, 1996

MOAB OFFICE

X	INIT/DATE
DM	
RES	<i>R</i>
L/M	
R/C	
RR	
SUP SER	
Ops	
Admin	
Fire	
PRICE	
SJ	
Act	
Info	
Discuss	

Bureau of Land Management  
82 East Dogwood  
Moab, Utah 84532

Attn: Mr. Eric Jones

RE: Forms 3160-5  
Lisbon Unit Well No. B-94  
Lisbon Unit Well No. D-616  
San Juan County, Utah

Dear Mr. Jones,

Please find enclosed in triplicate Forms 3160-5, "Sundry Notices and Reports on Wells", for the subject wells. I faxed the copies on October 28, 1996.

If you have any questions, please contact the undersigned at 713-287-7607.

Very truly yours,

Glenn Nohavitz  
Senior Drilling Engineer

gn  
cc: Well File  
Work File  
Asset Group  
Lisbon Field Office

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau no. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT--" for such proposals

3. Lease Designation and Serial No.  
Utah ML 13962  
5. If Indian, Allotment or Tribe Name  
7. If Unit or CA Agreement Designation  
Lisbon Unit  
8. Well Name and No.  
D-616  
9. API Well No.  
43-037-15049  
10. Field and Pool, or Explanatory Area  
Lisbon  
11. County or Parish, State  
San Juan, Utah

SUBMIT IN TRIPLICATE

1. Type of Well  
Oil  Gas   
 Well  Well  Other   
2. Name of Operator  
Union Oil Company of California, dba UNOCAL  
3. Address and Telephone No.  
ATTN: Drilling Department  
P. O. Box 4551 Houston, TX 77210 (713) 491-7600  
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
660' FNL and 660' FEL Section 16, T305, R24E  
12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION		TYPE OF ACTION		
<input checked="" type="checkbox"/> Notice of Intent		<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans	
<input type="checkbox"/> Subsequent Report		<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction	
<input type="checkbox"/> Final Abandonment Notice		<input checked="" type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing	
		<input type="checkbox"/> Cement Repair	<input type="checkbox"/> Water Shut-off	
		<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection	
		<input type="checkbox"/> Other _____	<input type="checkbox"/> Dispose Water	

(Note: report results of multiple completion on Well Completion or Recompletion Report and Log forms.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

See attached procedure and wellbore schematic.  
Estimated starting date is November 2, 1996.

RECEIVED  
NOV 14 1996  
DEPT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

14. I hereby certify that the foregoing is true and correct.  
Signed Glenn Novak Title Sr. Drilling Engineer Date 10/24/96  
(This space for Federal or State office use)  
Approved by M. Matthews Title Petroleum Engineer Date 11/6/96  
Conditions of approval, if any.

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations or to any matter within its jurisdiction.

Gave verbal by phone to Glenn this date  
11/6/96  
\*See instruction on Reverse Side

**LISBON UNIT D-616  
SAN JUAN CO, UTAH  
WORKOVER PROCEDURE**

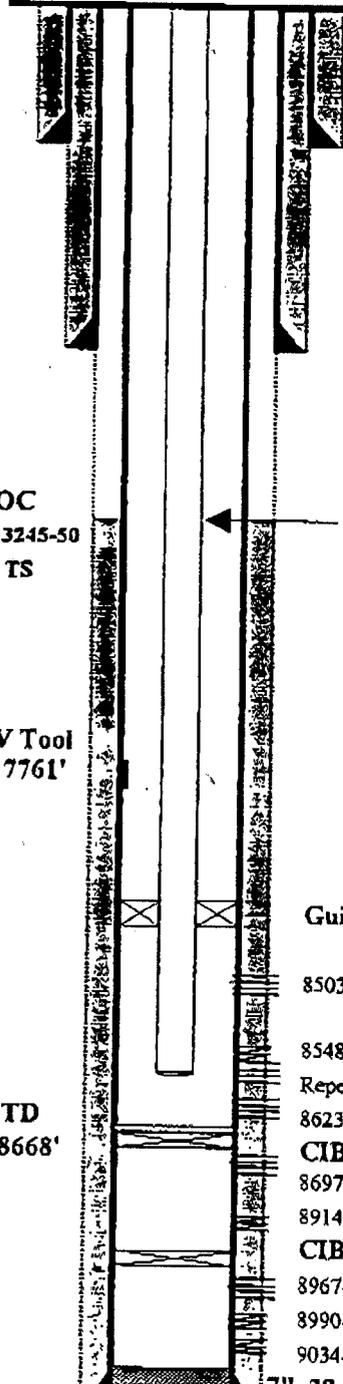
1. Move in and rig up DDPU and H<sub>2</sub>S safety equipment. Perform rig inspection as per Unocal requirements.
2. Bullhead 20 barrels of brine water down tubing and kill well.
3. Nipple down tree and nipple up BOP. Test pipe rams to 2000 psi.
4. Release packer and POOH visually inspecting tubing.
5. Pick up and TIH with packer and retrievable bridge plug (RBP) assembly to ETD @ 8668'. Pick up 5' and set RBP. Pick up and set packer at 8535'.
6. Rig up flowback tank and lubricator. Swab well in and test well to determine if zone is producing water. Shut well in and rig down lubricator.
7. Kill well. Release packer and TIH to RBP. Latch RBP and POOH to 8535'. Set RBP. Pick up to ± 8490' and set packer.
8. Rig up lubricator. Swab well in until flowing unassisted and determine amount of water production. Shut well in and rig down lubricator.
9. Kill well. Release packer and TIH to RBP. Latch RBP and POOH.
10. Isolate any water producing zones with a CIBP with 10' cement on top.
11. Rig up wireline. Perforate the following intervals: 8329-34', 8345-49', 8358-61', 8363-69', 8381-87', 8393-410', 8448-53', and 8463-68' using a minimum of 3-3/8" 19 gram 4 spf casing guns. POOH and rig down wireline.
12. Pick up and TIH with packer and RBP assembly. Isolate new perforations.
13. Acidize the new interval with 4000 gallons of 15% HCl (SWIC) acid and divert with rock salt.

14. Flow back well until load is recovered or until well dies.
15. Kill well with lease water. Release packer and latch RBP. POOH.
16. Pick up production packer and run production string testing tubing hydrostatically to 3000 psi.
17. Nipple down BOP's and nipple up tree.
18. Rig up lubricator and swab well until flowing unassisted.
19. Rig down and move off DDPU and H2S safety equipment.

# UNOCAL <sup>77</sup> ROCKY MOUNTAIN ASSET GROUP

WELL: LISBON (MISS) UNIT D-616  
LOCATION: 660' FNL 660' FEL Sec. 16 T30S R24E NE NE  
COUNTY: San Juan STATE: UTAH  
PRODUCING FORMATION: Mississippian

SPUD DATE: 4/10/60  
COMPL DATE: 10/6/60  
RECOMPL DATE: -----  
Elevation = 6218'  
KB = 6229'  
Updated: 8/12/96  
By: H. Dahlgren



13 3/8", 48#, H-40 @ 435'  
Cmt w/ 190 sx Circ to surf

9-5/8", 36#, J-55 @ 2580'  
Cmt w/ 125 sx

274 Jts., 2 7/8", 6.5#, J-55 FHD @ 8594'

TOC  
@ 3245-50  
by TS

DV Tool  
@ 7761'

PBTB  
@ 8668'

Guiberson UNI-6 pkr @ 8398'

8503-17 w/ 2 spf (2/73)

8548-67, 8569-93 sqz w/ 160 sxs (5/68)

Reperf 8580-93, 8596-8601, 8603-8613 (5/68)

8623-34, 8638-44, 8653-8661 w/ 2 spf (11/63)

CIBP @ 8678' w/ 10' cmt on top

8697-8727

8914-40, sqz w/ 50 sxs

CIBP @ 8960'

8967-78

8990-9004, sqz w/ 50 sxs (8/60)

9034-48, sqz w/ 50 sxs (8/60)

7", 29, 26 & 23# N-80 LT&C and Buttress @ 9117'

TD = 9120' Cmt w/ 1st stg. 275 sxs. 2nd stg. 1050 sxs.

(6/24/92)

.58" 2 7/8" pump out plug

.98" 2 7/8" X 2.25 "R" profile nipple

187.38' 6 ju. 2 7/8", 6.5#, J-55, 8rd EUE tbg

6.85' 7" X 2 7/8" UNI-6 Guiberson pkr.

2.20' 272 ju. 7" X 2 7/8" XL on off tool 2.25 id "T" nipple profile

31.21' 1 ju. 2 7/8", 6.5#, J-55, 8rd EUE tbg

1.10' 2.28id X 2 7/8 Sealing Nipple

8352.70' 267 ju. 2 7/8", 6.5#, J-55, 8rd EUE tbg

8583.00' Total

11.00' BKDB

8594.00' FHD

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**FORM APPROVED**  
Budget Bureau no. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT--" for such proposals

**SUBMIT IN TRIPLICATE**

<p>1. Type of Well</p> <p>Oil <input type="checkbox"/> Gas <input type="checkbox"/>  <input checked="" type="checkbox"/> Well <input type="checkbox"/> Well <input type="checkbox"/> Other</p> <p>2. Name of Operator Union Oil Company of California, dba UNOCAL</p> <p>3. Address and Telephone No. Attn: Drilling Department P. O. Box 4551 Houston, TX 77210 (713) 491-7600</p> <p>4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 660' FNL and 660' FEL Section 16, T305, R24E</p>	<p>5. Lease Designation and Serial No. Utah ML 13982</p> <p>6. If Indian, Allottee or Tribe Name</p> <p>7. If Unit or CA. Agreement Designation Lisbon Unit</p> <p>8. Well Name and No. D-616</p> <p>9. API Well No. <b>43-037-15049</b></p> <p>10. Field and Pool, or Exploratory Area Lisbon</p> <p>11. County or Parish, State San Juan, Utah</p>
--	--

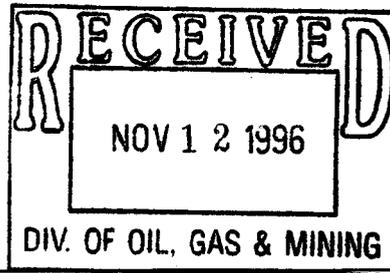
**12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Interest  <input type="checkbox"/> Subsequent Report  <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input checked="" type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input type="checkbox"/> Other _____  <input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water

(Note: report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

See attached procedure and wellbore schematic.  
Estimated starting date is November 2, 1996.



RECEIVED  
 MOAB FIELD OFFICE  
 1996 NOV -4 AM 11:03  
 DEPT. OF THE INTERIOR  
 BUREAU OF LAND MGMT

14. I hereby certify that the foregoing is true and correct

Signed Glenn Nolasita Title Sr. Drilling Engineer Date 10/24/96

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**LISBON UNIT D-616**  
**SAN JUAN CO, UTAH**  
**WORKOVER PROCEDURE**

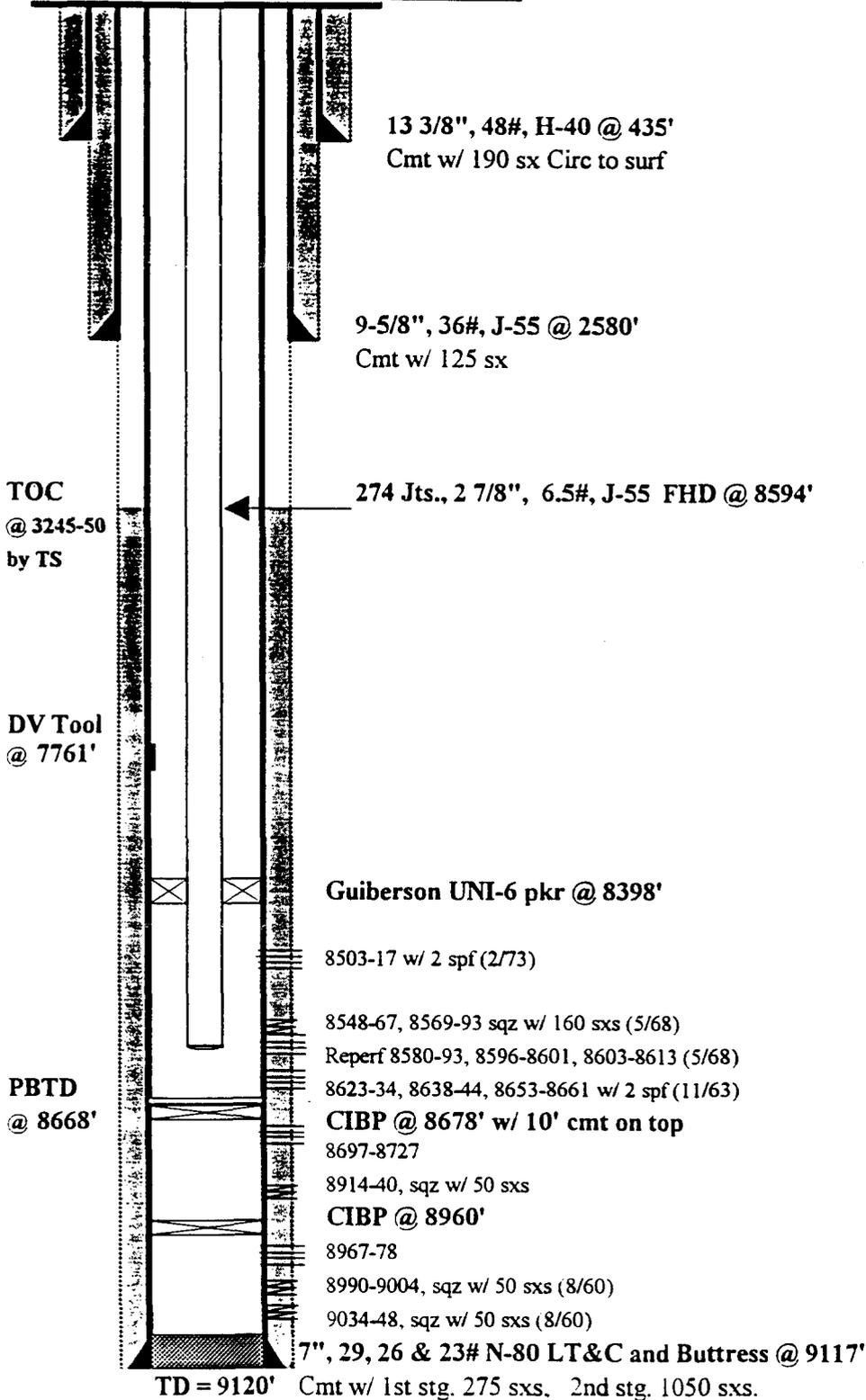
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19. Rig down and move off DDPU and H2S safety equipment.

**UNOCAL**  
ROCKY MOUNTAIN ASSET GROUP

WELL: LISBON (MISS) UNIT D-616  
 LOCATION: 660' FNL 660' FEL Sec. 16 T30S R24E NE NE  
 COUNTY: San Juan STATE: UTAH  
 PRODUCING FORMATION: Mississippian

SPUD DATE: 4/10/60  
 COMPL DATE: 10/6/60  
 RECOMPL DATE: -----  
 Elevation = 6218'  
 KB = 6229'  
 Updated: 8/12/96  
 By: H. Dahlgren



- (6/24/92)
- .58" 2 7/8" pump out plug
- .98" 2 7/8 X 2.25 "R" profile nipple
- 187.38' 6 jts. 2 7/8", 6.5#, J-55, 8rd EUE tbg
- 6.85' 7" X 2 7/8" UNI-6 Guiberson pkr.
- 2.20' 272 jts. 7" X 2 7/8" XL on off tool 2.25 id "F" nipple profile
- 31.21' 1 jts. 2 7/8", 6.5#, J-55, 8rd EUE tbg
- 1.10' 2.28id X 2 7/8 Seating Nipple
- 8352.70' 267 jts. 2 7/8", 6.5#, J-55, 8rd EUE tbg
- 8583.00' Total
- 11.00' BKDB
- 8594.00' FHD

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau no. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT--" for such proposals

5. Lease Designation and Serial No.  
UTAH ML 13962

6. If Indian, Allottee or Tribe Name

7. If Unit or CA. Agreement Designation

LISBON UNIT

8. Well Name and No.

D-616

9. API Well No.

43-037-15049

10. Field and Pool, or Exploratory Area

LISBON

11. County or Parish, State

SAN JUAN, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Gas  
 Well  Well  Other

2. Name of Operator

UNION OIL COMPANY OF CALIFORNIA

3. Address and Telephone No.

ATTN: DRILLING DEPT.

P.O. BOX 4551 HOUSTON, TX 77210-4551 (281) 491-7600

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FNL & 660' FEL, SECTION 16, T305, R24E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

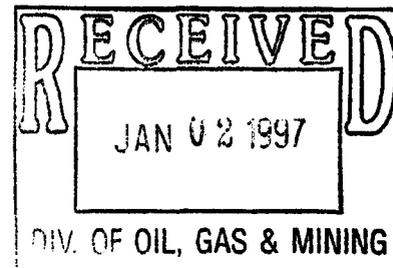
TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other \_\_\_\_\_
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-off
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- Dispose Water

(Note: report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED REPORT AND WELLBORE SCHEMATIC



14. I hereby certify that the foregoing is true and correct

Signed

*Glenn N. [Signature]*

Title

SR. DRILLING ENGINEER

Date

12/20/96

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Well Name: LISBON UNIT-LISBON-# D-616

Page: 1

11/22/96 MIRU BIG A RIG #15. N/D TREE & BOP. RSLD ON/OFF TOOL FROM PKR W/SLIGHT VACUUM ON ANN. RSLD PKR @ 8398' & POOH W/2-7/8" PROD TBG. RIH W/RETRIEVING HEAD, 1 JT 2-7/8" TBG & 7" PKR ON 2-7/8" TBG. TAGGED @ 8665' (etd). SPOTTED 500 GALS XYLENE & 750 GALS 15% HCL ACID TO BTM OF TBG. POOH TO 8045'. SDFN.

11/23/96 TIH & SET 7" PKR @ 8,529' W/BTM OF TAILPIPE @ 8,563'. SWAB TESTED PERFS @ 8,548'-861'. SWABBED 113 BW IN 7 HRS W/FL @ 4,000'-3,800' & STEADY. LAST HR, SWABBED 18 BW W/SLIGHT GAS BLOW. TR- 113 OF 84 BLW. SDFN.

11/24/96 HAD 50 PSI SITP & 0 PSI SICP AFTER 14.5 HRS. SWABBED 62 BW IN 4 HRS W/FL @ 4,000' & STEADY. LAST HR, SWABBED 17 BW W/SLIGHT GAS BLOW W/FL @ 4,000'. TR - 175 OF 84 BLW. REL PKR @ 8,529'. POOH. SDFN.

11/25/96 TIH W/7" STRADDLE ASSY ON 2-7/8" TBG W/RBP SET @ 8,527'. PU & SET PKR @ 8,426'. SWABBED 64 BW IN 4 HRS W/FL @ 4,000' & STEADY. LAST HR, SWABBED 16 BW W/LIGHT GAS SHOW. TR - 64 BW. SDFN.

11/26/96 HAD 30 PSI SITP AFTER 16 HRS. FL - 4,000'. SWABBED 60 BW IN 4 HRS W/FL @ 4,000' & STEADY. LAST HR, SWABBED 18 BW W/SLIGHT GAS BLOW. TR - 130 BW. REL PKR. TIH & REL RBP @ 8,527'. POOH. SWI & SDFN.

11/27/96 RU WL. RAN GR/CCL CORR LOG FROM 8,658'-7,900'. POOH. RAN WL SET CIBP & SET @ 8,490'. POOH. DUMP BAILED 10' CMT ON TOP OF CIBP W/NEW PBTD @ 8,480'. FILLED 7" CSG W/LSE WTR. TESTED CSG TO 530 PSI. SWI & SD FOR HOLIDAYS.

12/3/96 RU WL UNIT. PERF'D THE MISSISSIPPIAN W/4" HEGS @ 4 SPF FROM 8,329'-34'; 8,345'-49'; 8,358'-61'; 8,363'-69'; 8,381'-87'; 8,393'-410'; 8,448'-53' & 8,463'-68' (61' & 244 SHOTS). FL STAYED @ 130' WHILE PERF'ING. RD WL UNIT. RAN PUMP-OUT PLUG, 1 JT 2-7/8" TAILPIPE, GUIBERSON "UNI-VI" PROD PKR ON 2-7/8" PROD TBG, HYDRO-TESTING TO 4000 PSI. SET PKR @ 8,272' IN 18M# COMP W/BTM OF TAILPIPE @ 8,310'. SDFN.

12/4/96 REL ON/OFF TOOL FROM PKR @ 8,272'. CIRC W/250 BBLs PKR FLUID. ND BOP & NU TREE. LANDED 26 JTS OF 2-7/8" 6.5# J-55 EUE 8RD TBG @ 8,310' W/PKR @ 8,272', BTM TAILPIPE @ 8,310' & SN @ 8,238'. BLEW OUT PUMP-OUT PLUG W/1740 PSI. ACIDIZED PERFS (8,329-468') W/4000 GALS 15% HCL (SWIC) W/NE, FE & LST. BROKE DOWN PERFS @ 1 BPM & 1800 PSI. PUMPED @ 1-2.5 BPM & 1800-2000-800-60 PSI. ISIP - VACUUM. SWABBED & FLOWED 53 BW IN 3 HRS. FL @ 4,300'-SURF. LAST HR, FLOWED 21 BW W/GOOD GAS @ 190 PSI. TR - 53 OF 143 BLW. SWI & SDFN.

## 2-7/8" TUBING DETAIL

8226.02'	263 JTS	2-7/8" 6.5# J-55 EUE 8RD TBG
1.10'		2-7/8" SN (2.285" ID)
31.45'	1 JT	2-7/8" TBG AS ABOVE
2.20'		7" x 2-7/8" XL ON/OFF TOOL W/2.25 F PROFILE
6.85'		7" x 2-7/8" 28-32# UNI-VI PKR (SET IN 15M# TENSION)
30.27	1 JT	2-7/8" TBG AS ABOVE
0.98'		2-7/8" x 2.25" "R" PROFILE
0.58'		2-7/8" PUMP-OUT PLUG W/WL RE-ENTRY
10.55'		RKB
-----		
8310.00'		FHD

12/5/96 HAD 1300 PSI SITP AFTER 14.5 HRS. TURNED WELL OVER TO PRODUCTION. RDMO WO RIG. TLTR - 90 BW.

\*\*\* OFF REPORT \*\*\*

12/6/96 WELL FLOWED @ 3500 MCFD AND 733 PSI FTP  
\*\*\*FINAL REPORT\*\*\*

**UNOCAL** <sup>76</sup>  
**ROCKY MOUNTAIN ASSET GROUP**

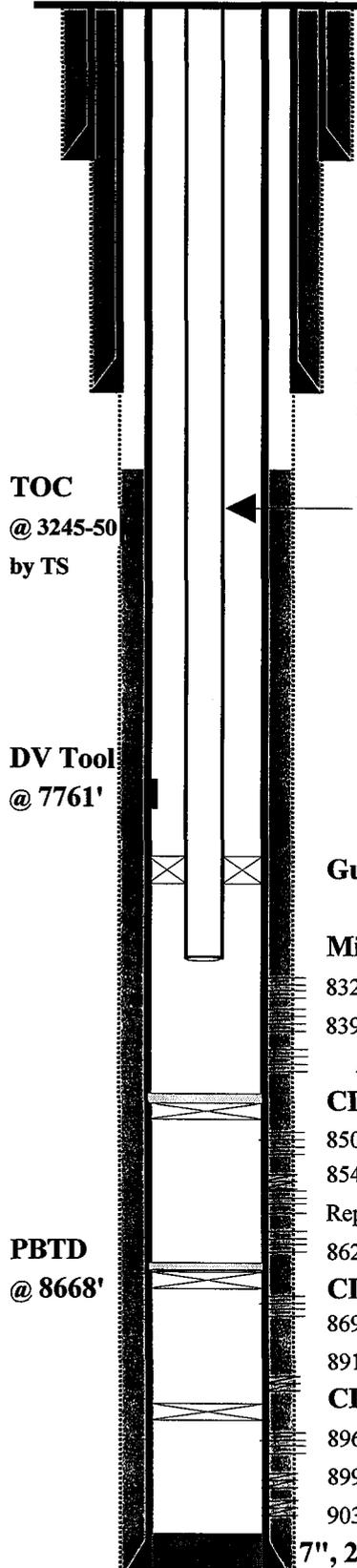
WELL: **LISBON (MISS) UNIT D-616**

LOCATION: **660' FNL 660' FEL Sec. 16 T30S R24E NE NE**

COUNTY: **San Juan**

STATE: **UTAH**

PRODUCING FORMATION: **Mississippian**



**13 3/8", 48#, H-40 @ 435'**  
 Cmt w/ 190 sx Circ to surf

**9-5/8", 36#, J-55 @ 2580'**  
 Cmt w/ 125 sx

**265 Jts., 2-7/8", 6.5#, J-55 EUE 8rd FHD @ 8310'**

**TOC**  
**@ 3245-50**  
 by TS

**DV Tool**  
**@ 7761'**

**PBTB**  
**@ 8668'**

**Guiberson UNI-VI pkr @ 8261'**

**Mississippian perfs: 8329-8468 (12/3/96)**

8329-34, 8345-49, 8358-61, 8363-69, 8381-87,  
 8393-8410, 8448-53, 8463-68 w/ 4 spf  
 Acidize w/ 4000 gals 15% HCL

**CIBP @ 8490' w/ 10' cmt on top (ETD 8480') 11/96**

8503-17 w/ 2 spf (2/73)  
 8548-67, 8569-93 sqz w/ 160 sxs (5/68)  
 Reperf 8580-93, 8596-8601, 8603-8613 (5/68)

**CIBP @ 8678' w/ 10' cmt on top**

8623-34, 8638-44, 8653-8661 w/ 2 spf (11/63)  
 8697-8727  
 8914-40, sqz w/ 50 sxs

**CIBP @ 8960'**

8967-78  
 8990-9004, sqz w/ 50 sxs (8/60)  
 9034-48, sqz w/ 50 sxs (8/60)

**7", 29, 26 & 23# N-80 LT&C and Buttress @ 9117'**

**TD = 9120' Cmt w/ 1st stg. 275 sxs, 2nd stg. 1050 sxs.**

SPUD DATE: **4/10/60**  
 COMPL DATE: **10/6/60**  
 RECOMPL DATE: **12/4/96**

Elevation = **6218'**

KB = **6229'**

Updated: **12/20/96**

By: **H. Dahlgren**

(12/4/96)

.58' 2-7/8" pump out plug w/ WL re-entry

.98' 2-7/8 X 2.25 "R" profile nipple

30.27' 1 jt. 2-7/8", 6.5#, J-55, 8rd EUE tbg

6.85' 7" X 2-7/8" 28-32# UNI-VI Guiberson pkr. (set w/ 18M

2.20' 7" X 2 7/8" XL ON/OFF tool w/ 2.25 id 'F' profile

31.45' 1 jt. Tbg. as above

1.10' 2-7/8" SN (2.285" ID)

8226.02' 263 jts. Tbg. as above

8299.45' 265 jts. Total

10.55' RKB

8310.00' FHD

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau no. 1004-013  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals

5. Lease Designation and Serial No.  
**Utah ML 13962**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA. Agreement Designation  
**Lisbon Unit**

8. Well Name and No.  
**D-616**

9. API Well No.  
**43-037-15049**

10. Field and Pool, or Exploratory Area  
**Lisbon**

11. County or Parish, State  
**San Juan Co., Utah**

SUBMIT IN TRIPLICATE

1. Type of Well  
Oil  Well Gas  Well  Other  Well  Well

2. Name of Operator  
**Tom Brown, Inc.**

3. Address and Telephone No.  
**P.O. Box 760 Moab, UT 84532 (435) 686-2236**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**660' FNL & 660' FEL sec. 16, T30S, R24E**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

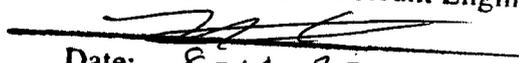
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input checked="" type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: report results of multiple completion on Well Completion or Recompletion Report and Log form.)

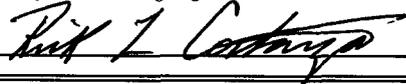
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Tom Brown, Inc., requests temporary abandonment status for well, Lisbon Unit D-616, while studying economics and/or other uses of the present well bore.

COPY SENT TO OPERATOR  
Date: 8-17-99  
Initials: CHP

**APPROVED**  
The Utah Division of Oil, Gas and Mining  
Robert J. Krueger, PE, Petroleum Engineer  
  
Date: 8-10-99

RECEIVED  
JUL 30 1999  
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct  
Signed  Title Field Foreman Date 26-Jul-99

(This space for Federal or State office use)  
Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any: Temporary Abandonment Status Approved until 2-1-00 (12 months after last production) Operator shall

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. file subsequent Sundry per Attached Rule

\*See Instruction on Reverse Side

R649-3-36.

R649-3-35-1 will be held confidential in accordance with R649-2-11 at the request of the operator.

3. The division shall review the submitted information and advise the operator and the State Tax Commission of its decision regarding the wildcat well designation as related to Section 59-5-102(2)(d).

4. The division is responsible for approval of a request for designation of a well as a wildcat well. If the operator disagrees with the decision of the division, the decision maybe appealed to the board. Appeals of all other tax-related decisions concerning wildcat wells should be made to the State Tax Commission.

**R649-3-36. Shut-in and Temporarily Abandoned Wells.**

1. Wells may be initially shut-in or temporarily abandoned for a period of twelve (12) consecutive months. If a well is to be shut-in or temporarily abandoned for a period exceeding twelve (12) consecutive months, the operator shall file a Sundry Notice providing the following information:

1.1. Reasons for shut-in or temporarily abandonment of the well,

1.2. The length of time the well is expected to be shut-in or temporarily abandoned, and

1.3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment.

2. After review the Division will either approve the continued shut-in or temporarily abandoned status or require remedial action to be taken to establish and maintain the well's integrity.

3. After five (5) years of nonactivity or nonproductivity, the well shall be plugged in accordance with R649-3-24, unless approval for extended shut-in time is given by the Division upon a showing of good cause by the operator.

4. If after a five (5) year period the well is ordered plugged by the Division, and the operator does not comply, the operator shall forfeit the drilling and reclamation bond and the well shall be properly plugged and abandoned under the direction of the Division.



# TOM BROWN, INC.

555 Seventeenth Street, Suite 1850  
Denver, Colorado 80202-3918

Engineering Department

## FAX

DATE: 1/24/00 TRANSMITTAL #: \_\_\_\_\_

Number of Pages (Including Cover): 5 pages

REMARKS: summary vlt

MESSAGE: Please Call - we would like to  
pick up 1/27/00. If I need to  
fill out a state form of some kind, let  
me know  
Thank You  
303-260-5011

\*\*\*If Problems occur please call Tom Brown, Inc. at 303/260-5000

Tom Brown's Engineering Department Fax #: 303/260-5007 & 303/260-5008

Form 3160-5  
(August, 1999)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**SUNDRY NOTICES AND REPORTS ON WELLS**

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

Do not use this form for proposals to drill, or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. Utah ML-13692
2. Name of Operator: Tom Brown, Inc.		6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 555 Seventeenth Street, Suite 1850, Denver, CO 80202		7. If Unit or CA/Agreement Designation Lisbon Unit
4. Location of Well (Footage, T, R, M, or Survey Description) 660' FNL & 660' FEL, Sec. 16, T30S, R24E		8. Well Name and No. Lisbon Unit D-616
		9. API Well No. <u>15049</u> 43-037-15123
		10. Field and Pool, or Exploratory Area Lisbon
		11. County or Parish, State San Juan, Utah

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (start/resume) <input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Reclamation <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input checked="" type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal

13. Describe Proposed or completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

SEE ATTACHED PROCEDURE AND WELLBORE DIAGRAM

COPY SENT TO OPERATOR  
Date: 1-26-2000  
Initials: BMS

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 1-25-00  
BY: [Signature]

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) Byron R. Gale	Title Operations Engineer
Signature <u>[Signature]</u>	Date 01/24/2000

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Lisbon D-616 Workover Procedure  
660' FNL, 660' FEL, Sec. 16, T30S, R24E  
San Juan County, Utah**

**Squeeze casing leak: evaluate Leadville & Ismay:**

1. Notify BLM. Inspect anchors. Set frac tanks for flowback. RU H<sub>2</sub>S safety equipment.
2. MIRU workover rig. Hold pre-job safety meeting.
3. Blow down well. Kill well with 2% KCl water.  
(Note: Keep casing loaded throughout job to keep well dead and prevent casing collapse. Paradox Salt from 4,569' to 8,094'.)
4. ND tree. NU BOPE.
5. Release Guiberson UNI VI packer @ 8,261'. TOOH w/ 2-7/8", 6.5#, J-55, 8rd EUE tubing. LD perforated tubing. Inspect tubing string.
6. PU casing scraper and RIH to PBSD 8,480'.
7. RU WL. RIH w/ CIBP and set in 7", 29#, N-80 casing at 8,320'.
 

0' - 35'	29# N-80
35' - 5816'	23# N-80
5,816' - 7,996'	26# N-80
7,996' - 9,117'	29# N-80
8. PU packer & plug assembly on 2-7/8" tbg. TIH and locate casing leak.
9. With casing holes straddled, swab in and monitor rates and pressures. Obtain gas sample.
10. Kill zone with 2% KCl water. Establish PI rate. TOOH w/ pkr/plug assembly.
11. RU WL. RIH w/ cast iron cement retainer and set +/- 60' above casing holes.
12. RU Howco. TIH w/ tubing, spot cement, and sting into cmt retainer. Cmt squeeze casing leak per PI rate. Sting out of retainer and reverse out. TOOH.
13. PU bit and DC's and drill out cement retainer and cement. POOH. Pressure test squeeze.
14. Re-squeeze if necessary.
15. RU WL. RIH w/ cased hole logging tools and log from PBSD 8,320' to 8,100' and from 4,600' to 2,600'. POOH.

**Suspend workover operations to evaluate logs and/or economic potential, file Sundries, and obtain team and partner consent.**

16. RIH and perforate Mississippian w/ 4 JSPF, 90 deg phasing using 4" debris-less casing guns with 23g charges as follows: (Correlate to Schlumberger Sonic Log run 8/16/60.)

8,301' - 8,311'

8,282' - 8,286'

8,268' - 8,274'

8,234' - 8,238'

17. PU and TIH w/ Baker model R-3 DG packer on inspected 2-7/8" tubing. Set packer @ 8,175'. Swab well in, monitoring rates and pressures.

**If gas rate "acceptable"**

18. (Optional) RU acid equipment. Open packer bypass, spot 4,000 gal 15% SWIC HCl w/ additives. Close bypass and breakdown perfs. Flush to top of perforations and flow back until load recovered.

19. Load backside w/ inhibited packer fluid from surface. Pressure test casing and packer to 1,000#.

20. ND BOPE. NU tree.

21. Swab well in. RTP. RDMO.

**If gas rate "unacceptable"**

22. Release packer and POOH w/ tubing.

23. RU WL. RIH w/ CIBP and set in 7", 29#, N-80 casing at 8,160'.

24. ND BOPE. NU tree.

25. Shut well in. RDMO. Wait on cased hole log interpretation of Ismay.

# UNOCAL

## ROCKY MOUNTAIN ASSET GROUP

WELL: **LISBON (MISS) UNIT D-616**

LOCATION: **660' FNL 660' FEL Sec. 16 T30S R24E NE NE**

COUNTY: **San Juan**

STATE: **UTAH**

PRODUCING FORMATION: **Mississippian**

**13 3/8", 48#, H-40 @ 435'**  
Cmt w/ 190 sx Circ to surf

**9-5/8", 36#, J-55 @ 2580'**  
Cmt w/ 125 sx

**Guiberson UNI-VI pkr @ 8261'**

**Mississippian perfs: 8329-8468 (12/3/96)**

8329-34, 8345-49, 8358-61, 8363-69, 8381-87,  
8393-8410, 8448-53, 8463-68 w/ 4 spf

Acidize w/ 4000 gals 15% HCL

**CIBP @ 8490' w/ 10' cmt on top (ETD 8480') 11/96**

8503-17 w/ 2 spf (2/73)

8548-67, 8569-93 sqz w/ 160 sxs (5/68)

Reperf 8580-93, 8596-8601, 8603-8613 (5/68)

8623-34, 8638-44, 8653-8661 w/ 2 spf (11/63)

**CIBP @ 8678' w/ 10' cmt on top**

8697-8727

8914-40, sqz w/ 50 sxs

**CIBP @ 8960'**

8967-78

8990-9004, sqz w/ 50 sxs (8/60)

9034-48, sqz w/ 50 sxs (8/60)

**7", 29, 26 & 23# N-80 LT&C and Buttress @ 9117'**

**TD = 9120' Cmt w/ 1st stg. 275 sxs, 2nd stg. 1050 sxs.**

SPUD DATE: 4/10/60  
COMPL DATE: 10/6/60  
RECOMPL DATE: 12/4/96  
Elevation = 6218'  
KB = 6229'  
Updated: 12/20/96  
By: H. Dahlgren

**DV Tool**  
**@ 7761'**

**PBTD**  
**@ 8668'**

2.25" 2-7/8" SN (2.285" ID)  
31.45' 1 jt. Tbg. as above  
8226.02' 263 jts. Tbg. as above  
8299.45' 265 jts. Total  
10.55' RKB  
8310.00' FHD

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**SUNDRY NOTICES AND REPORTS ON WELLS**

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

Do not use this form for proposals to drill, or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. Utah ML-13692
2. Name of Operator: Tom Brown, Inc.		6. If Indian, Allotte or Tribe Name
3. Address and Telephone No. 555 Seventeenth Street, Suite 1850, Denver, CO 80202		7. If Unit or CA/Agreement Designation Lisbon Unit
4. Location of Well (Footage, T, R, M, or Survey Description)  660' FNL & 660' FEL, Sec. 16, T30S, R24E		8. Well Name and No. Lisbon Unit D-616
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		9. API Well No. 43-037-15423 <sup>15049</sup>
		10. Field and Pool, or Exploratory Area Lisbon
		11. County or Parish, State San Juan, Utah

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input type="checkbox"/> Deepen
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input checked="" type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction
	<input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back

*checked out  
to Brad/Chris  
8/1/2000*

13. Describe Proposed or completed Operation (clearly state all pertinent details, including estimated starting date. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA following completion of the involved operations. If the operation results in a multiple completion or recom testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including determined that the site is ready for final inspection.)

DURING JANUARY, 1999, TOM BROWN, INC. SET A RET D-616 WELL, THEN PROCEEDED TO TEST THE CASING ON THE RESULTS OF THE TDT LOG AND AN EVALUAT TOM BROWN NOW INTENDS TO ISOLATE EXISTING MISSISSIPPIAN PERFORATIONS, PERFORM PLUG BACK AND ACIDIZE THE UPPER-MISSISSIPPIAN, AND TEST THE WELL TO DETERMINE ITS POTENTIAL TO BE RETURNED TO PRODUCTION (SEE ATTACHED PROCEDURE AND WELLBORE DIAGRAM).

**RECEIVED**

APR 07 2000

DIVISION OF  
**OIL, GAS AND MINING**

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) Byron R. Gale	Title Operations Engineer
Signature <i>Byron R. Gale</i>	Date 04/04/2000

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for ny person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**FOR RECORD ONLY**

**COPY TO DIVISION**  
Date: 4-10-00  
Initial: CHD

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**SUNDRY NOTICES AND REPORTS ON WELLS**

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

Do not use this form for proposals to drill, or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. Utah ML-13692
2. Name of Operator: Tom Brown, Inc.		6. If Indian, Allotte or Tribe Name
3. Address and Telephone No. 555 Seventeenth Street, Suite 1850, Denver, CO 80202		7. If Unit or CA/Agreement Designation Lisbon Unit
4. Location of Well (Footage, T, R, M, or Survey Description) 660' FNL & 660' FEL, Sec. 16, T30S, R24E		8. Well Name and No. Lisbon Unit D-616
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		9. API Well No. 43-037- <sup>15049</sup> 15123
		10. Field and Pool, or Exploratory Area Lisbon
		11. County or Parish, State San Juan, Utah

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (start/resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input checked="" type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>Add Mississippian perforations</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, A form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

DURING JANUARY, 1999, TOM BROWN, INC. SET A RETRIEVABLE PLUG @ 8,300' IN THE LISBON D-616 WELL, THEN PROCEEDED TO TEST THE CASING AND RUN A CASED-HOLE TDT LOG. BASED ON THE RESULTS OF THE TDT LOG AND AN EVALUATION OF THE WELL'S ECONOMIC POTENTIAL, TOM BROWN NOW INTENDS TO ISOLATE EXISTING MISSISSIPPIAN PERFORATIONS, PERFORATE AND ACIDIZE THE UPPER-MISSISSIPPIAN, AND TEST THE WELL TO DETERMINE ITS POTENTIAL TO BE RETURNED TO PRODUCTION (SEE ATTACHED PROCEDURE AND WELLBORE DIAGRAM).

**RECEIVED**

APR 07 2000

DIVISION OF  
**OIL, GAS AND MINING**

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) Byron R. Gale	Title Operations Engineer
Signature <i>Byron R. Gale</i>	Date 04/04/2000

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**FOR RECORD ONLY**

**COPYING DONOR**  
Date: 4-10-00  
Initials: CHD

**Lisbon D-616 Workover Procedure**  
**660' FNL, 660' FEL, Sec. 16, T30S, R24E**  
**San Juan County, Utah**

**Add Upper Leadville Perforations:**

1. Notify BLM. Inspect anchors. Set frac tanks for flowback. RU H<sub>2</sub>S safety equipment.
2. MIRU workover rig. Hold pre-job safety meeting.
3. Blow down well. Kill well with 2% KCl water.  
(Note: Keep casing loaded throughout job to keep well dead and prevent casing collapse. Paradox Salt from 4,569' to 8,094'.)
4. ND tree. NU BOPE.
5. Release packer @ 3,500'. TIH w/ pkr and tbg. Release plug at 8,300'.
6. TIH and set pkr/plug assembly at +/- 8,430'. Swab test perfs 8,448' – 8,453' and 8,463' – 8,468' monitoring gas/water rates and pressures.
7. Release pkr/plug assembly. Pull up and set plug at +/- 8,420' and set pkr at +/- 8,310'. Swab test perfs 8,329' – 8,334'; 8,345' – 8,349'; 8,358' – 8,361'; 8,363' – 8,369'; 8,381' – 8,387'; and 8,393' – 8,410' monitoring gas/water rates and pressures. Obtain gas sample for analysis. TOOH w/ pkr/plug assembly.
8. RU WL. RIH w/ cast iron cement retainer and set in 7", 29#, N-80 casing based on swabbing results, but no higher than 8,323'.
9. RU Howco. TIH w/ tubing, spot cement, and sting into cmt retainer. Cement squeeze perfs per attached design. Sting out of retainer and reverse out. TOOH.
10. RU WL. RIH and perforate Mississippian w/ 4 JSPF, 90 deg phasing using 4" debris-less casing guns with 23g charges as follows: (Correlate to Schlumberger Sonic Log run 8/16/60.)

8,301' – 8,311'	8,234' – 8,238'
8,282' – 8,286'	8,221' – 8,226'
8,268' – 8,274'	
11. PU and TIH w/ Baker model R-3 DG packer on inspected 2-7/8" tubing. Set packer @ 8,175' w/ tubing tail through perfs at +/- 8,310'. Swab well in, monitoring rates and pressures.
12. (Optional) RU acid equipment. Open packer bypass, spot 4,000 gal 15% SWIC HCl w/ additives. Close bypass and breakdown perfs. Flush to top of perforations and flow back until load recovered.
13. Load backside w/ inhibited packer fluid from surface. Pressure test casing and packer to 1,000#.
14. ND BOPE. NU tree.
15. Swab well in. TO to Production. RDMO.

**RECEIVED**

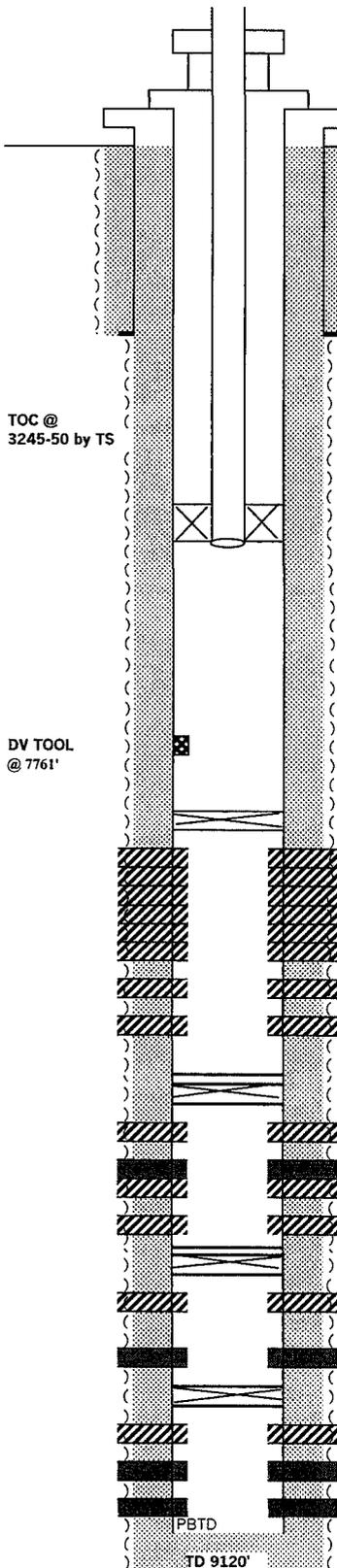
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DIVISION OF  
OIL, GAS AND MINING

WELLBORE DIAGRAM

Company: TOM BROWN INC.  
 Lease Name: LISBON (MISS) UNIT  
 Lease Number: D-616  
 Location: NENE Sec 16 T30S R24E  
 County: SAN JUAN  
 Date: #####

Spud Date 4/10/60



KB ' 6229'

GL 6218'

13 3/8" 48# H-40 @ 435' - Cement w/190 sx Circ to surf

2580' 9 5/8" 36# J-55 @ 2580' - Cement w/125 sx

TOC @ 3245-50 by TS

DV TOOL @ 7761'

2 7/8" TBG @ 3500' - Packer set at 3500'

RBP set @ 8300'

Perfs 8329-34' Mississippians perfs: 8329-8468' (12/3/96)  
 Perfs 8345-49'  
 Perfs 8358-61'  
 Perfs 8363-69'  
 Perfs 8381-87'  
 Perfs 8393-8410'  
 Perf 8329-8468 w/4 spf  
 Acidize 8329-8468 w/4000 gals 15% HCL

Perfs 8448-53'

Perfs 8463-68'

CIBP @ 8490' W/10' CMT ON TOP (ETD 8480') 11/96

Perfs 8503-17' w/2 spf (2/73)

Perfs 8548-67', 8569-93' sqz w/160 sxs (5/68)  
 Reperf 8580-93', 8596-8601', 8603-8613' (5/68)

Perfs 8623-34', 8638-44', 8653-8661' w/2 spf (11/63)

CIBP @ 8678' w/10' cmt on top (ETD 8,668')

Perfs 8697-8727'

Perfs 8914-40', sqz w/50 sxs

CIBP @ 8960'

Perfs 8967-78'

Perfs 8990-9004, sqz w/50 sxs (8/60)

Perfs 9034-48', sqz w/50 sxs (8/60)

PBTD

TD 9120'

7" 29,26 & 23# N-80 LT&C and Buttress CSG @ 9117'  
 Cement w/1st stg. 275 sxs, 2nd stg. 1050 sxs.

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DIVISION OF  
 OIL, GAS AND MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

**COPY**

5. Lease Serial No. Utah ML-13692

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No. Lisbon Unit

8. Lease Name and Well No. Lisbon Unit D-616

9. API Well No. 43-037-15049

10. Field and Pool, or Exploratory Lisbon

11. Sec., T., R., M., on Block and Survey or Area Sec 16 T30S-R24E

12. County/Parish San Juan County

13. State Utah

1a. Type of Well: Oil Well  Gas Well  Dry  Other:

1b. Type of Completion: New Well  *u/o*  Deepen  Plug Back  Diff. Resvr.  Other:

2. Name of Operator Sandy Ocker  
Tom Brown, Inc. 303-260-5011

3. Address 555 Seventeenth Street, Suite 1850, Denver, Colorado 80202-3918

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At Surface 660' FNL & 660' FEL  
At top prod. interval reported below  
At total depth SAME

14. Date Spudded 04/10/60

15. Date T.D. Reached 8/18/60

16. Date Completed. (prod)  D&A  Ready to Prod.  
Original 10/11/60 Recomplete 01/03/01

17. Elevations (DF, RKB, RT, GL)\*  
GL: 6218' KB: 6229'

18. Total Depth: MC MD 9120'  
TVD

19. Plug Back T.D.: 8323'

20. Depth Bridge Plug Set:  
CIBP @ 8960', CIBP @ 8678', CIBP @ 8490' & CIBP @ 8323'

21. Type Electric & Other Mechanical Logs Run (Submit Copy of each)

22. Was Well Cored?  No  Yes (Submit analysis)  
Was DST run?  No  Yes (Submit report)  
Directional Survey?  No  Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Skis & Type of Cement	Slurry vol. (BBL)	Cement Top*	Amount Pulled
9 5/8"	J-55	36#	Surface	2580'		125 sxs			
7"	N-80	29, 26 & 23#	Surface	9117'		lead 275 sxs			
		LT&C /Buttress				tail 1050 sxs			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 7/8" x 2 7/8"	8195.94'	8195.94'	7" x 2 7/8"					

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) Mississippian	8221'	8702'	8221-26', 8234-38', 8268-74', 8282-86' & 8301-11'		4 spf	open
			8329-34', 8345-49', 8358-61', 8363-69', 8381-87', 8393-8410', 8448-53', 8463-68', 8503-17', 8548-93' (sq'd),			Plug back
			8580-8613' (reperf), 8623-8661' and 8697-8727'			squeezed
B) Elbert	8780'	8955'	8914-8940' (sq'd)			Plug back & squeezed
C) McCracken	8956'	9058'	8967-78', 8990-9004'(sqz) & 9034-48' (sqz)			

26. Perforation Record

Depth Interval	Amount and Type of Material
8221-8311'	Acidize 8221 - 8311' w/4000 gals 15% HCl + additives (12/30/00)
8329-8468'	Acidize 8329 - 8468' w/4000 gals 15% HCl

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Date First Prod	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr.	Gas Gravity	Production Method
10/11/60	01/03/01	7 hrs			750 mcf	100 bbls	API		flowing
Choke Size	Tbg Press. Pwng./SI	Csg Press.	24 Hr. Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas:Oil Ratio	Well Status	
24/64								Producing	

28. Production - Interval A

Date First Prod	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr.	Gas Gravity	Production Method
							API		Flowing
Choke Size	Tbg Press. Pwng./SI	Csg Press.	24 Hr. Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas:Oil Ratio	Well Status	
								Producing	

28a. Production - Interval B

Date First Prod	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr.	Gas Gravity	Production Method
							API		Flowing
Choke Size	Tbg Press. Pwng./SI	Csg Press.	24 Hr. Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas:Oil Ratio	Well Status	
								Producing	

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(See instructions and spaces for additional data on reverse side)

28b. Production - Interval C

Date First Prod	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press. Flwg./SI	Csg Press.	24 Hr. Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Prod	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press. Flwg./SI	Csg Press.	24 Hr. Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas:Oil Ratio	Well Status	

29. Disposition of Gas ( Sold, used for fuel, vented, etc.)

SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
			For Core Details see original Completion Report	Chinle	650'
				Shinarump	1190'
				Moenkopi	1260'
				Cutler	1680'
				Hermosa	2800'
				Paradox	4210'
				Salt Top	4569'
				Salt Base	8094'
				Mississippian	8221'
				Ouray	8702'
				Elbert	8780'
				McCracken	8956'
				Cambrian	9059'

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd.)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Sundry Notice for plugging and cement verification
- 6. Core Analysis
- 7. Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Sandy Ocker Title Engineering Tech  
 Signature *Sandy Ocker* Date 02/12/01

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Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

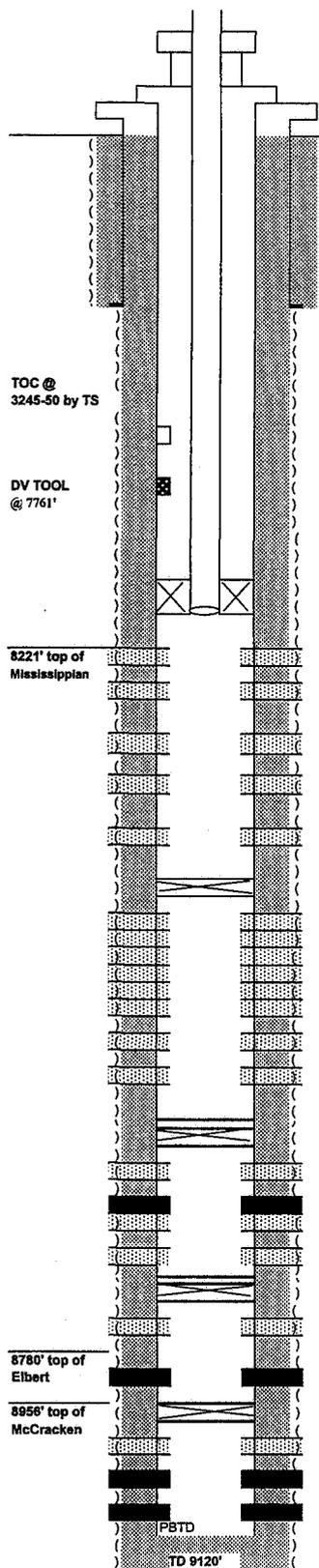
FEB 20 2001

**DIVISION OF OIL, GAS AND MINING**

**WELLBORE DIAGRAM**

Company: TOM BROWN INC.  
 Lease Name: LISBON (MISS) UNIT  
 Lease Number: D-616  
 Location: NENE Sec 16-T30S-R24E  
 County: SAN JUAN COUNTY, UTAH  
 Date: 2/12/01

Spud Date 4/10/80  
 Recompletion Date 12/21/00



KB ' 6229'  
 GL 6218'  
 13 3/8" 48# H-40 @ 435' - Cement w/190 sx Circ to surf  
 2580' 9 5/8" 36# J-55 @ 2580' - Cement w/125 sx

TUBING DETAIL 12/29/00		
KB	11.00'	
2634 jts 2 7/8" tbg	8146.07'	8157.07'
2 7/8" seat nipple	1.10'	8158.17'
1 jt 2 7/8" 6.5# J-55 tbg	31.47'	8189.64'
7" x 2 7/8" ASI-X packer	6.30'	8195.94'
Tubing landed @ 8195.94'		

2 7/8" TBG @ 8195.94' - Packer set at 8195.94'

Perfs 8221-8226'  
 Perfs 8234-8238'  
 Perfs 8268-8274'  
 Perfs 8282-8286'  
 Perfs 8301-8311'

CIBP set @ 8323'

Perfs 8329-34'  
 Perfs 8345-49'  
 Perfs 8358-61'  
 Perfs 8363-69'  
 Perfs 8381-87'  
 Perfs 8393-8410'

Perfs 8448-53'  
 Perfs 8463-68'

CIBP @ 8490' W/10' CMT ON TOP (ETD 8480') 11/96

Perfs 8503-17' w/2 spf (2/73)

Perfs 8548-67', 8569-93' sqz w/160 sxs (5/68)  
 Reperf 8580-93', 8596-8601', 8603-8613' (5/68)

Perfs 8623-34', 8638-44', 8653-8661' w/2 spf (11/63)

CIBP @ 8678' w/10' cmt on top (ETD 8,668')

Perfs 8697-8727'

Perfs 8914-40', sqz w/50 sxs

CIBP @ 8960'

Perfs 8967-78'

Perfs 8990-9004, sqz w/50 sxs (8/60)

Perfs 9034-48', sqz w/50 sxs (8/60)

7" 29,26 & 23# N-80 LT&C and Buttress CSG @ 9117'  
 Cement w/1st stg. 275 sxs, 2nd stg. 1050 sxs.

Perf 8221 - 8311' w/4" gun, 4 spf, 23 grms, 90 phasing (12/22/00)  
 Acidize 8221 - 8311' w/4000 gals 15% HCl acid w/additives (12/30/00)

Mississippian perms: 8329-8468' (12/3/96)  
 Perf 8329-8468 w/4 spf  
 Acidize 8329-8468 w/4000 gals 15% HCL



# Tom Brown, Inc.

555 17th Street, Suite 1850  
Denver CO 80202-3918  
Phone : (303) 260-5000 Fax : (303) 260-5007

## LISBON D 616 Completion Chronological Report Page 1 of 4

Well User ID : 272683 Well Name : LISBON D 616 AFE # : W00U040  
 Operator : TOM BROWN, INC. WI : 0.958345 NRI 0.8098963  
 Loc : NENE STR : 16 -30S - 24E  
 County : SAN JUAN, UT APICode : 43-037-15049  
 Field : LISBON UNIT  
 Contractor : AFE Type : Workover  
 Spud Date : 4/10/1960 Rig Rel Date : 8/18/1960 Total Depth : 9120 ft.  
 Comp Date : 10/11/1960 PBTD : 8323 ft.

### Completions Detail Report

<b>Date :</b> 12/21/2000	<b>Activity:</b> Circulate	<b>Days On Completion :</b> 1
<b>Rpt Summary :</b> Circ. Sand off RBP		
<b>Report Detail :</b> MIRU service rig & safety equip. Flow lines open up well , 0 psi, NW wellhead. NU BOPS, floor tongs. POOH w/ 2 7/8" tbg. PU 7' PST-H ret head. RIH 30 stands. CWIFN		
<b>Date :</b> 12/22/2000	<b>Activity:</b> Perforate	<b>Days On Completion :</b> 2
<b>Rpt Summary :</b> RIH w/pkr.		
<b>Report Detail :</b> SICIP 0. Finish RIH w/ ret Head. Tag sand @ 8290' 10' RU tbg. Swivel pump & lines. Fill hole 800 bbls. Reverse out 10' sand latch onto RBP @ 8300'. Release plug POOH. RU RMWL : RIH w/ 7" CIBP set @ 8323'. POOH pick up csg guns & perf w/4 spf: 8301-8311, 8282-8286, 8268-8274, 8234-8238 and 8221-8226'. 2 runs lay down guns CWIFN.		
<b>Date :</b> 12/23/2000	<b>Activity:</b> SD Holiday	<b>Days On Completion :</b> 3
<b>Rpt Summary :</b> Well shut in for Christmas holidays.		
<b>Report Detail :</b> SICIP 0 vacume Pick up 7" cst packer 1 jt seat nipple on 2 7/8" tubing . RIH set pkr @ 8200' 262 jts down hole. Swab test zone @ 8221 - 8311. Tag fluid @ 3920. Made 5 runs swab down wait 1 hr RI tag no fluid. Recovered 26 bbls total.  CWI for Christmas Holidays 23 -26 Start up Dec. 27		
<b>Date :</b> 12/24/2000	<b>Activity:</b> SD Holiday	<b>Days On Completion :</b> 4
<b>Rpt Summary :</b> Well SI for holidays		
<b>Report Detail :</b> Shut down for holidays		
<b>Date :</b> 12/25/2000	<b>Activity:</b> SD Holiday	<b>Days On Completion :</b> 5
<b>Rpt Summary :</b> Shut down for holidays		
<b>Report Detail :</b> Shut down for holidays		
<b>Date :</b> 12/26/2000	<b>Activity:</b> SD Holiday	<b>Days On Completion :</b> 6
<b>Rpt Summary :</b> Shut down for holidays		
<b>Report Detail :</b> Shut down for holidays		
<b>Date :</b> 12/27/2000	<b>Activity:</b> SD Holiday	<b>Days On Completion :</b> 7
<b>Rpt Summary :</b> Shut down for holidays		
<b>Report Detail :</b> Shut down for holidays		

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## Completion Chron Report

### LISBON D 616 Completion Chronological Report Page 2 of 4

Well User ID : 272683 Well Name : LISBON D 616 AFE # : W00U040  
 Operator : TOM BROWN, INC. WI : 0.958345 NRI 0.8098963  
 Loc : NENE STR : 16 -30S - 24E  
 County : SAN JUAN, UT APICode : 43-037-15049  
 Field : LISBON UNIT  
 Contractor : AFE Type : Workover  
 Spud Date : 4/10/1960 Rig Rel Date : 8/18/1960 Total Depth : 9120 ft.  
 Comp Date : 10/11/1960 PBTD : 8323 ft.

**Date :** 12/28/2000 **Activity:** RIH **Days On Completion :** 8

**Rpt Summary :** RIH w/7" production packer - swab.

**Report Detail :** SITP 100. Bleed tubing off. RU pump fill tubing with water. Breakdown zone 8221 - 8311 @ 2500 psi. Pump 2 bbls total, release pkr. POOH stand back 35 stands lay down 192 joints (pitted and corrosion) PU 7" ASI-X RIH w/good 2-7/8" tubing (not tested) RIH 109 joints, S-nipple, 1 jt above pkr. CWIFN

**Date :** 12/29/2000 **Activity:** Acidizing **Days On Completion :** 9

**Rpt Summary :** Acidize

**Report Detail :** Drop standing valve test 109 jts 2-7/8 tubing 4000 psi ok. Talley rest of 2-7/8 tubing. RIH PU singles. Run 194 joints. RU pump test tubing 4000 ok. RIH with 35 stands in derrick test tubing 4000 ok. RU swab equipment make 5 swab runs. RIH latch onto standing valve POOH. Lay down swab equipment, Rig down tongs, floor, nipple down bops, set packer, nipple up wellhead. CWIFN

KB	11.00	
263 jts 2-7/8 tubing	8146.07	8157.07
2-7/8 seat nipple	1.10	8158.17
1 jt 2-7/8 tubing	31.47	8189.64
7" x 2-7/8 ASI-X packer	6.30	8195.94

Perfs 8221 - 8311'  
CIBP 8323'

**Date :** 12/30/2000 **Activity:** Swab & test **Days On Completion :** 10

**Rpt Summary :** Swab & flow test

**Report Detail :** SITP 0, Rig up swab equipment. Tag fluid level @ 3150', make 6 swab runs, last run from seat nipple @ 8158'. RU Halco acid pumper safety meeting, start 4000 gals 15% SWIC acid job. 48 bbls to fill hole 2600 psi, pump in perfs, avg rate 5.86, avg psi 807, isip 0, good ball action. Displace w/50 bbls water. RU swab equipment start swabbing tag fluid 2950, make 12 swab runs recover 104 bbls total out of 145 bbls pumped.

Packer @	8195'
Perfs	8221 - 8311
CIBP	8323
old perfs	83290-8468

**Date :** 12/31/2000 **Activity:** Swabbing **Days On Completion :** 11

**Rpt Summary :** Shut In

**Report Detail :** SITP 350 psi. Bleed well down 1/4 hours, safety meeting. Start swabbing, tag fluid level @ 3400, made 10 swab runs. Well kicked off, made 95 bbls. Rigged up to flare to pit on 18/64 choke, 250 psi, flowed 1 hr. SWIF New years, Sunday-Monday. Will return Jan 2, 2001

**Date :** 1/1/2001 **Activity:** SI Holiday **Days On Completion :** 12

**Rpt Summary :** Shut In

**Report Detail :** Shut In for holidays



FEB 20 2001



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555 17th Street, Suite 1850  
Denver CO 80202-3918  
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## Completion Chron Report

### LISBON D 616 Completion Chronological Report Page 3 of 4

Well User ID : 272683 Well Name : LISBON D 616 AFE # : W00U040  
 Operator : TOM BROWN, INC. WI : 0.958345 NRI 0.8098963  
 Loc : NENE STR : 16 -30S - 24E  
 County : SAN JUAN, UT APICode : 43-037-15049  
 Field : LISBON UNIT  
 Contractor : AFE Type : Workover  
 Spud Date : 4/10/1960 Rig Rel Date : 8/18/1960 Total Depth : 9120 ft.  
 Comp Date : 10/11/1960 PBTD : 8323 ft.

<u>Date</u> : 1/2/2001	<u>Activity</u> : SI Holiday	<u>Days On Completion</u> : 13
<u>Rpt Summary</u> : Shut in for Holiday		
<u>Report Detail</u> : Shut In for holidays		
<u>Date</u> : 1/3/2001	<u>Activity</u> : Flow Test	<u>Days On Completion</u> : 14
<u>Rpt Summary</u> : Flow test		
<u>Report Detail</u> : SITP 1150#, opened well to tank, flowed @ rate 750 MCFPD, 100 BW in 7 hours. SDFN		
<u>Date</u> : 1/4/2001	<u>Activity</u> : Flow Test	<u>Days On Completion</u> : 15
<u>Rpt Summary</u> : Flow test		
<u>Report Detail</u> : SITP 1100#, flowed on 24/64 choke for 7 hours, made 80 BF 25% oil avg tbg pressure 150#		
<u>Date</u> : 1/5/2001	<u>Activity</u> : Flow Test	<u>Days On Completion</u> : 16
<u>Rpt Summary</u> : Flow test		
<u>Report Detail</u> : SITP 1100#, flowed 80#-240# on 20/64 choke, est fluid recovery 40 BF		
<u>Date</u> : 1/6/2001	<u>Activity</u> : Flow Test	<u>Days On Completion</u> : 17
<u>Rpt Summary</u> : Flow test		
<u>Report Detail</u> : SITP 1100#, flowed 80-200# on 20/64 choke, recovery 50 BF in 9 Hrs.		
<u>Date</u> : 1/7/2001	<u>Activity</u> : SDFWE	<u>Days On Completion</u> : 18
<u>Rpt Summary</u> : SDFWE		
<u>Report Detail</u> : SDFWE		
<u>Date</u> : 1/8/2001	<u>Activity</u> : SDFWE	<u>Days On Completion</u> : 19
<u>Rpt Summary</u> : SDFWE		
<u>Report Detail</u> : SDFWE		
<u>Date</u> : 1/9/2001	<u>Activity</u> : Final Report	<u>Days On Completion</u> : 20
<u>Rpt Summary</u> : Final Report		
<u>Report Detail</u> : SITP 1100# flowed 80-200# on 20/64 choke, 50 BF in 9 hrs.		

### Casing

DateIn	Setting Depth	Jts Run	Type	Size	Weight	Grade	MINID	HoleDiam	TD
4/10/1960	2580		Surface	9.625	36	J-55			
8/20/1960	9117		Production	7	29	N-80			

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**Tom Brown, Inc.**

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Denver CO 80202-3918  
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**Completion Chron Report**

**LISBON D 616 Completion Chronological Report Page 4 of 4**

Well User ID : 272683 Well Name : LISBON D 616 AFE # : W00U040  
Operator : TOM BROWN, INC. WI : 0.958345 NRI 0.8098963  
Loc : NENE STR : 16 -30S - 24E  
County : SAN JUAN, UT APICode : 43-037-15049  
Field : LISBON UNIT  
Contractor : AFE Type : Workover  
Spud Date : 4/10/1960 Rig Rel Date : 8/18/1960 Total Depth : 9120 ft.  
Comp Date : 10/11/1960 PBTD : 8323 ft.

**Well Perforation History** (This shows only the perforations for this project or day)

Date	Formation	Perf Status	Upper Perf	Lower Perf	Sht / Ft	Description:
12/22/2000	Mississippian	Open	8221	8226	4	
12/22/2000	Mississippian	Open	8234	8238	4	
12/22/2000	Mississippian	Open	8268	8274	4	
12/22/2000	Mississippian	Open	8282	8286	4	
12/22/2000	Mississippian	Open	8301	8311	4	

**RECEIVED**

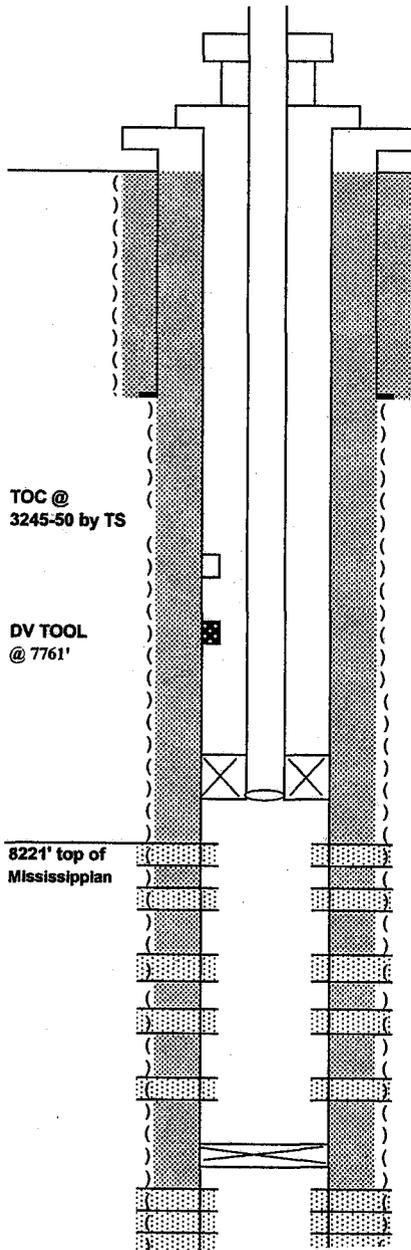
**FEB 20 2001**

**DIVISION OF  
OIL, GAS AND MINING**

**WELLBORE DIAGRAM**

Company: TOM BROWN INC.  
 Lease Name: LISBON (MISS) UNIT  
 Lease Number: D-816  
 Location: NENE Sec 16-T30S-R24E  
 County: SAN JUAN COUNTY, UTAH  
 Date: 2/12/01

Spud Date 4/10/60  
 Recompletion Date 12/21/00



KB ' 6229'  
 GL 6218'  
 13 3/8" 48# H-40 @ 435' - Cement w/190 sx Circ to surf  
 2580' 9 5/8" 36# J-55 @ 2580' - Cement w/125 sx

TOC @  
 3245-50 by TS

DV TOOL  
 @ 7761'

8221' top of  
 Mississippian

2 7/8" TBG @ 8195.94' - Packer set at 8195.94'

Perfs 8221-8226'  
 Perfs 8234-8238'  
 Perfs 8268-8274'  
 Perfs 8282-8286'  
 Perfs 8301-8311'  
 CIBP set @ 8323'  
 Perfs 8329-34'  
 Perfs 8345-49'

TUBING DETAIL 12/29/00		
KB	11.00'	
2634 jts 2 2/8" tbg	8146.07'	8157.07'
2 7/8" seat nipple	1.10'	8158.17'
1 jt 2 7/8" 6.5# J-55 tbg	31.47'	8189.64'
7" x 2 7/8" ASI-X packer	6.30'	8195.94'
Tubing landed @ 8195.94'		

Perf 8221 - 8311' w/4" gun, 4 spf, 23 grms, 90 phasing (12/22/00)  
 Acidize 8221 - 8311' w/4000 gals 15% HCl acid w/additives (12/30/00)

Mississippian perfs: 8329-8468' (12/3/96)



7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 2/24/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/24/2005
3. Bond information entered in RBDMS on: 2/24/2005
4. Fee/State wells attached to bond in RBDMS on: 2/24/2005
5. Injection Projects to new operator in RBDMS on: 2/24/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT1005

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: n/a

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0007875
2. The **FORMER** operator has requested a release of liability from their bond on: n/a  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

Merger and rider of bond from Tom Brown, Inc.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial No.

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

6. If Indian, Allote or Tribe Name

7. Unit Agreement Name

1. Type of Well

Oil Well     Gas Well     Other

8. Well Name and Number

2. Name of Operator: EnCana Oil & Gas (USA) Inc.  
(successor in interest of Tom Brown, Inc. effective 1/1/05)

Contact: Jane Washburn  
Phone: 720/876-5431

9. API Well Number

3. Address and Telephone No.

370 Seventeenth Street, Suite 1700, Denver, CO 80202

10. Field and Pool, or Exploratory Area

4. Location of Well

Footages: **SEE ATTACHED LIST OF WELLS**  
QQ, Sec T,R,M:

County:  
State:

11. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**NOTICE OF INTENT**  
(Submit in Duplicate)

- Abandon
- Repair Casing
- Change Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other
- New Construction
- Pull or Alter Casing
- Recomplete
- Reperforate
- Vent or Flare
- Water Shut-Off

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

- Abandon\*
- Repair Casing
- Change Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other
- New Construction
- Pull or Alter Casing
- Recomplete
- Reperforate
- Vent or Flare
- Water Shut-Off

Change of Operator

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. Describe Proposed or completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof.

If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, A form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

N9885

N2175

The merger of Tom Brown, Inc. with EnCana Oil & Gas (USA) Inc. was effective January 1, 2005. It is, therefore, requested that the Operator of all properties on the attached list be changed from Tom Brown, Inc. to EnCana Oil & Gas (USA) Inc.

RECEIVED

JAN 2 / 2005

DIV. OF OIL, GAS & MINING

13. Name (Printed/Typed) Jane Washburn	Title Operations Engineering Tech
Signature <i>Jane Washburn</i>	Date 01/24/2005

(This space for State use only)

**APPROVED** 2/24/05  
ER  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

well name	sec	twsp	rng	api	entity	lease	well	stat	flag	unit name	lease num	qtr_qtr	td_md	d_apd	op no
BIG INDIAN 36-42	36	290S	240E	4303731827		State	GW	APD			ST-UT-37067	SESW		5750	N9885
FEDERAL 14-18	18	250S	060E	4301530060	436	Federal	NA	PA			UTU-69447	SWSW			N9885
NW USA D-1 (B-624)	24	300S	240E	4303716516	99990	Federal	WD	A			UTU-070034	NENW			N9885
FEDERAL 15-25	25	290S	230E	4303730317	4776	Federal	GW	S			UTU-986	SWSE			N9885
BIG INDIAN 35-24	35	290S	240E	4303731829	14409	Federal	GW	DRL	C		UTU-077077	SENE			N9885
BIG INDIAN 27-34	27	290S	240E	4303731828		Federal	GW	APD	C		N9885				
BIG INDIAN UNIT 1	33	290S	240E	4303716219	8122	Federal	OW	S		BIG INDIAN	UTSL-067131	SENE			N9885
BIG INDIAN 4	14	300S	250E	4303716221	8124	Federal	GW	TA		BIG INDIAN	UTSL-089097	SWSW			N9885
BIG INDIAN 34-11	34	290S	240E	4303731818	14004	Federal	D	PA	C	BIG INDIAN	UTU-014905	NWNW			N9885
BULL HORN U 10-43	10	300S	250E	4303731831	14393	Federal	GW	DRL	C	BULL HORN	UT-73190	SWSE			N9885
LISBON B-615	15	300S	240E	4303715123	8123	Federal	OW	P		LISBON	UTU-09179	NENW			N9885
LISBON FED 2-21F	21	300S	250E	4303715768	410	Federal	GW	S		LISBON	UTU-094674	SENE			N9885
LISBON B912	12	300S	240E	4303715769	8123	Federal	OW	S		LISBON	UTU-06922	SESW			N9885
LISBON A-713A	13	300S	240E	4303716236	8123	Federal	GW	PA		LISBON	UTSL-070034	SWNW			N9885
LISBON A-715	15	300S	240E	4303716237	8123	Federal	WD	A		LISBON	UTU-020691A	SWNW			N9885
LISBON B-613	13	300S	240E	4303716240	8123	Federal	OW	S		LISBON	UTSL-070034	NENW			N9885
LISBON C-69	09	300S	240E	4303716245	8123	Federal	OW	S		LISBON	UTU-09179	NWNE			N9885
LISBON C-94	04	300S	240E	4303716247	8123	Federal	OW	S		LISBON	UTU-66582	SWSE			N9885
LISBON UNIT D-84	04	300S	240E	4303716250	8123	Federal	OW	P		LISBON	UTU-015445	NESE			N9885
LISBON D-89	09	300S	240E	4303716251	8123	Federal	OW	P		LISBON	UTU-015445	NESE			N9885
NW LISBON USA B-1 (B-614)	14	300S	240E	4303716468	8123	Federal	OW	P		LISBON	UTSL-070008A	NENW			N9885
NW LISBON USA A-2 (D-810)	10	300S	240E	4303716471	8123	Federal	GW	P		LISBON	UTU-14903	NESE			N9885
LISBON B-84	04	300S	240E	4303730054	8123	Federal	OW	S		LISBON	UTU-09179	NESW			N9885
LISBON B-814	14	300S	240E	4303730082	8123	Federal	OW	S		LISBON	UTSL-070008A	NESW			N9885
LISBON C-99	09	300S	240E	4303730693	8123	Federal	OW	P		LISBON	UTU-09179	SWSE			N9885
LISBON B-94	04	300S	240E	4303730695	8123	Federal	OW	S		LISBON	UTU-015445	SESW			N9885
LISBON C-910 I	10	300S	240E	4303731805	12892	Federal	D	PA		LISBON	UTU-0141903	SWSE			N9885
LISBON D-616	16	300S	240E	4303715049	8123	State	OW	P		LISBON	ML-13692	NENE	9120	9120	N9885
LISBON B-616	16	300S	240E	4303716242	8123	State	OW	S		LISBON	ML-8366	NESW	8689	8689	N9885
BELCO ST 4 (LISBON B-816)	16	300S	240E	4303716244	8123	State	WD	A		LISBON	ML-8366	NESW	8730	9100	N9885
LISBON UNIT D-716	16	300S	240E	4303731034	8123	State	OW	P		LISBON	ML-13692	SENE	8794	8775	N9885
LISBON U B-610	10	300S	240E	4303716469	8123	Federal	OW	P		LISBON (MCCRACKEN)	UTU-014903	NENW			N9885
LISBON U B-610	10	300S	240E	4303716469	9740	Federal	OW	P		LISBON (MCCRACKEN)	UTU-014903	NENW			N9885
LISBON U D-610	10	300S	240E	4303730694	9740	Federal	GW	P		LISBON (MCCRACKEN)	UTU-014903	NENE			N9885
LISBON UNIT A-911	11	300S	240E	4303731014	9740	Federal	GW	P		LISBON (MCCRACKEN)	UTSL-070008A	SWSW			N9885
LISBON C-910	10	300S	240E	4303731323	9740	Federal	OW	P		LISBON (MCCRACKEN)	UTU-014903	SWSE			N9885
LISBON B-614A	14	300S	240E	4303731351	9740	Federal	OW	TA		LISBON (MCCRACKEN)	UTSL-070008A	NENW			N9885
LISBON B-810	10	300S	240E	4303731433	9740	Federal	OW	P		LISBON (MCCRACKEN)	UTU-014903	NESW			N9885
LISBON (MCCRACKEN) D-615	15	300S	240E	4303731817		Federal	OW	LA		LISBON (MCCRACKEN)	N9885				
LISBON (MCCRACKEN) A-610	10	300S	240E	4303731821		Federal	OW	LA		LISBON (MCCRACKEN)	N9885				

# Delaware

PAGE 1

*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"TBI PIPELINE COMPANY", A DELAWARE CORPORATION,

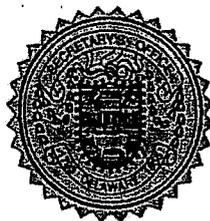
"TBI WEST VIRGINIA, INC.", A DELAWARE CORPORATION,

"TOM BROWN, INC.", A DELAWARE CORPORATION,

WITH AND INTO "ENCANA OIL & GAS (USA) INC." UNDER THE NAME OF "ENCANA OIL & GAS (USA) INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-SECOND DAY OF DECEMBER, A.D. 2004, AT 6:15 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE FIRST DAY OF JANUARY, A.D. 2005.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



2137895 8100M

040934710

*Harriet Smith Windsor*

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 3584585

DATE: 12-29-04

State of Delaware  
Secretary of State  
Division of Corporations  
Delivered 06:15 PM 12/22/2004  
FILED 06:15 PM 12/22/2004  
SRV 040934710 - 2137895 FILE

**STATE OF DELAWARE  
CERTIFICATE OF MERGER OF  
DOMESTIC CORPORATIONS**

Pursuant to Title 8, Section 251(c) of the Delaware General Corporation Law, the undersigned corporation executed the following Certificate of Merger:

**FIRST:** The name of the surviving corporation is EnCana Oil & Gas (USA) Inc., and the names and jurisdictions of the corporations being merged into this surviving corporation are as follows:

<u>Name</u>	<u>Jurisdiction of Incorporation</u>
Tom Brown, Inc.	Delaware corporation
TBI Pipeline Company	Delaware corporation
TBI West Virginia, Inc.	Delaware corporation

**SECOND:** The Agreement and Plan of Merger has been approved, adopted, certified, executed and acknowledged by each of the constituent corporations.

**THIRD:** The name of the surviving corporation is EnCana Oil & Gas (USA) Inc., a Delaware corporation.

**FOURTH:** The Certificate of Incorporation of the surviving corporation shall be its Certificate of Incorporation.

**FIFTH:** The merger is to become effective on January 1, 2005.

**SIXTH:** The Agreement and Plan of Merger is on file at 950 17<sup>th</sup> Street, Suite 2600, Denver, Colorado 80202, the place of business of the surviving corporation.

**SEVENTH:** A copy of the Agreement and Plan of Merger will be furnished by the surviving corporation on request, without cost, to any stockholder of the constituent corporations.

**IN WITNESS WHEREOF,** said surviving corporation has caused this certificate to be signed by an authorized officer, the 17th day of December, A.D., 2004.

ENCANA OIL & GAS (USA) INC.

By: Mary A. Viviano  
Mary A. Viviano, Secretary

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

**ROUTING**  
 CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: 5/14/2010

<b>FROM:</b> (Old Operator): N2175-EnCana Oil & Gas (USA) Inc. 370 17th Street, Suite 1700 Denver, CO 80202 Phone: 1 (303) 623-2300	<b>TO:</b> ( New Operator): N3670-Patara Oil & Gas, LLC 333 Clay Street, Suite 3960 Houston, TX 77002 Phone: 1 (713) 357-7171
---	---

CA No.		Unit:		LISBON				
WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/11/2010
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/11/2010
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 5/11/2010
- Is the new operator registered in the State of Utah: Business Number: 7655540-0161
- (R649-9-2)Waste Management Plan has been received on: \* \* requested 9/27/10
- Inspections of LA PA state/fee well sites complete on: \* \* requested 9/27/10
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: 6/28/2010 & 9/2/2010
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/29/2010  
Lisbon B-816 only

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 9/14/2010
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 9/14/2010
- Bond information entered in RBDMS on: 9/14/2010
- Fee/State wells attached to bond in RBDMS on: 9/14/2010
- Injection Projects to new operator in RBDMS on: 9/14/2010
- Receipt of Acceptance of Drilling Procedures for APD/New on: 5/11/2010

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: UTB000428
- Indian well(s) covered by Bond Number: n/a
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number RLB0013207 & B006008
- The **FORMER** operator has requested a release of liability from their bond on: not yet

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER:	
2. NAME OF OPERATOR: ENCANA OIL & GAS (USA) INC. <i>N2175</i>		9. API NUMBER:
3. ADDRESS OF OPERATOR: 370 17th Street, Suite 1700 <small>CITY</small> Denver <small>STATE</small> CO <small>ZIP</small> 80202	PHONE NUMBER: (303) 623-2300	10. FIELD AND POOL, OR WMLDCAT:
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached List		COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective May 4, 2010 Patara Oil & Gas LLC, 333 Clay Street, Suite 3960, Houston, TX 77002, will take over completions and operations and is designated as agent operator for the subject wells on the attached list.

Bond coverage for all activities will be covered by Patara's BLM Statewide Oil & Gas Bond No. UTB000428 and UDOGM Bond No. Pending. *RIB0013207 + B006008*

Patara Oil & Gas LLC, Lane M. Kincannon, Vice-President, Land & Business Development *N3670*

Signature *[Signature]* Date 5/4/2010

NAME (PLEASE PRINT) <u>Ricardo D. Gallegos</u>	TITLE <u>Attorney-in-Fact</u>
SIGNATURE <i>[Signature]</i>	DATE <u>5/4/2010</u>

(This space for State use only)

**APPROVED** 9/14/2010  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

**RECEIVED**  
*May 11 2010 ER*  
DIV. OF OIL, GAS & MINING

(5/2000)

ENCANA O-G (N2175) to PATARA O-G (N3670)  
effective May 4, 2010  
LISBON UNIT

well_name	sec	twp	rng	api	entity	lease	well	stat	C
LISBON D-616	16	300S	240E	4303715049	8123	State	OW	S	
LISBON B-615	15	300S	240E	4303715123	8123	Federal	OW	P	
LISBON B912	12	300S	240E	4303715769	8123	Federal	OW	S	
LISBON A-715	15	300S	240E	4303716237	8123	Federal	WD	I	
LISBON B-613	13	300S	240E	4303716240	8123	Federal	OW	S	
LISBON B-616	16	300S	240E	4303716242	8123	State	OW	S	
BELCO ST 4 (LISBON B-816)	16	300S	240E	4303716244	8123	State	WD	A	
LISBON C-69	09	300S	240E	4303716245	8123	Federal	OW	S	
LISBON C-94	04	300S	240E	4303716247	8123	Federal	OW	S	
LISBON UNIT D-84	04	300S	240E	4303716250	8123	Federal	OW	P	
LISBON D-89	09	300S	240E	4303716251	8123	Federal	OW	S	
NW LISBON USA A-2 (D-810)	10	300S	240E	4303716471	8123	Federal	GW	P	
LISBON B-84	04	300S	240E	4303730054	8123	Federal	OW	S	
LISBON B-814	14	300S	240E	4303730082	8123	Federal	WD	A	
LISBON C-99	09	300S	240E	4303730693	8123	Federal	OW	S	
LISBON B-94	04	300S	240E	4303730695	8123	Federal	OW	S	
LISBON UNIT A-911	11	300S	240E	4303731014	8123	Federal	GW	P	
LISBON UNIT D-716	16	300S	240E	4303731034	8123	State	OW	S	
LISBON C-910	10	300S	240E	4303731323	8123	Federal	OW	S	
LISBON B-614A	14	300S	240E	4303731351	8123	Federal	OW	S	
LISBON B-810	10	300S	240E	4303731433	8123	Federal	OW	P	



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO  
3180  
UT-922

June 28, 2010

David M. Laramie  
Patara Oil & Gas, LLC  
621 17<sup>th</sup> Street, Suite 1345  
Denver, CO 80293

Re: Successor Operator  
Lisbon Unit, UTU630370  
San Juan County, Utah

Dear Mr. Laramie:

On June 25, 2010, we received an indenture dated May 4, 2010, whereby EnCana Oil & Gas (USA), Inc. resigned as Unit Operator and Patara Oil & Gas, LLC was designated as Successor Unit Operator for the Lisbon Unit, San Juan County, Utah. The indenture was executed by both parties and the signatory parties (working interest owners) have complied with Sections 5 and 6 of the unit agreement.

The instrument is hereby approved effective June 28, 2010. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Lisbon Unit Agreement.

Your statewide oil and gas BLM Bond No. UTB000428 will be used to cover unit operations.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate Federal offices, with one copy returned herewith.

If you have any questions, contact Leslie Wilcken of this office at (801) 539-4112.

Sincerely,

*/s/ Roger L. Bankert*

Roger L. Bankert  
Chief, Branch of Minerals

RECEIVED

JUL 06 2010

DIV. OF OIL, GAS & MINING

Enclosure

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: Utah ML-13692
2. NAME OF OPERATOR: Patara Oil & Gas LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 600 17th Street Suite 1900S CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: Lisbon Unit
4. LOCATION OF WELL FOOTAGES AT SURFACE: 660' FNL & 660' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 16 30S 24E		8. WELL NAME and NUMBER: Lisbon Unit D-616
PHONE NUMBER: (303) 563-5369		9. API NUMBER: 4303745423 4303915049
COUNTY: San Juan		10. FIELD AND POOL, OR WILDCAT: Lisbon
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 8/26/2010	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input checked="" type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Mechanical Integrity Test</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached is the pressure chart dated August 26, 2010 for a mechanical integrity test performed on the Lisbon Unit D-616 well by Patara Oil and Gas LLC, as witnessed by Bart Kettle, Utah State Field Inspector. The casing was pressure tested at 1000 psi, held for a duration period requested by Mr. Kettle and deemed a successful mechanical integrity test.

The Lisbon Unit D-616 well was shut in by the previous operator, EnCana Oil & Gas. Patara Oil and Gas LLC recently acquired the well and hereby requests that the State of Utah grant an extended shut in under rule R649-3-36 for a period of one year on this well to allow the company to analyze the productive capabilities and / or future potential use of the wellbore.

At the current time the tubing and casing are shut in and the well is secure. A wellbore diagram is attached for reference.

**COPY SENT TO OPERATOR**  
Date: 9.29.2010  
Initials: KS

**RECEIVED**  
**SEP 14 2010**  
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <u>John B. Warren</u>	TITLE <u>Production Manager</u>
SIGNATURE <u>[Signature]</u>	DATE <u>9/14/2010</u>

(This space for State use only)

**APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING**

DATE: 9/23/2010

BY: [Signature] (See Instructions on Reverse Side)

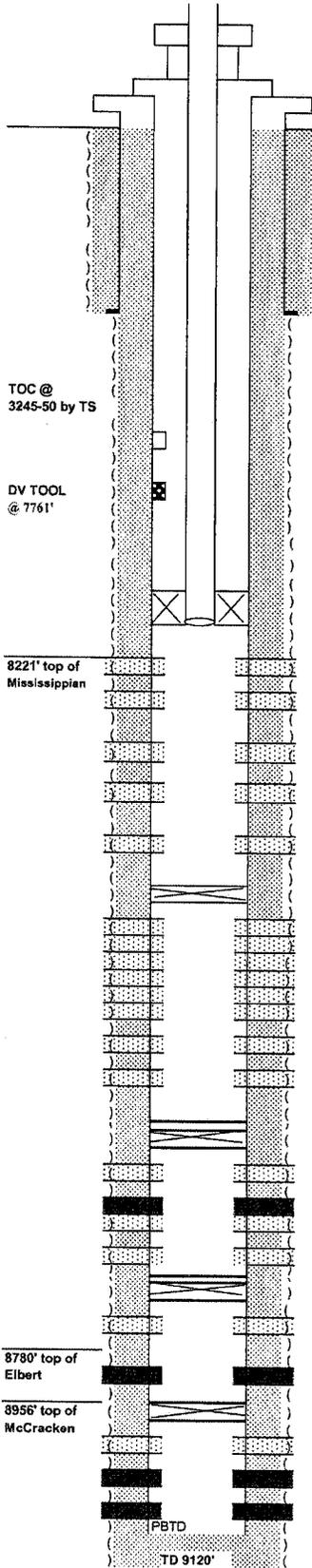
(5/2000)

\* Extension Valid thru 9/17/2011

WELLBORE DIAGRAM

Company: TOM BROWN INC.  
 Lease Name: LISBON (MISS) UNIT  
 Lease Number: D-616  
 Location: NENE Sec 16-T30S-R24E  
 County: SAN JUAN COUNTY, UTAH  
 Date: 2/12/2001

Spud Date 4/10/60  
 Recompletion Date 12/21/00



Cement circulated to surface

**TUBING DETAIL 12/29/00**

KB	11.00'	
2634 jts 2 2/8" tbg	8146.07'	8157.07'
2 7/8" seat nipple	1.10'	8158.17'
1 jt 2 7/8" 6.5# J-55 tbg	31.47'	8189.64'
7" x 2 7/8" ASI-X packer	6.30'	8195.94'
Tubing landed @ 8195.94'		

TOC for prod csg @ 4053' (calc.)

2 7/8" TBG @ 8195.94' - Packer set at 8195.94'

Perfs 8221-8226'  
 Perfs 8234-8238'  
 Perfs 8268-8274'  
 Perfs 8282-8286'  
 Perfs 8301-8311'

Perf 8221 - 8311' w/4" gun, 4 spf, 23 grms, 90 phasing (12/22/00)  
 Acidize 8221 - 8311' w/4000 gals 15% HCl acid w/additives (12/30/00)

CIBP set @ 8323'

Perfs 8329-34'  
 Perfs 8345-49'  
 Perfs 8358-61'  
 Perfs 8363-69'  
 Perfs 8381-87'  
 Perfs 8393-8410'

Mississippian perfs: 8329-8468' (12/3/96)  
 Perf 8329-8468 w/4 spf  
 Acidize 8329-8468 w/4000 gals 15% HCL

Perfs 8448-53'  
 Perfs 8463-68'

CIBP @ 8490' w/10' CMT ON TOP (ETD 8480') 11/96

Perfs 8503-17' w/2 spf (2/73)  
 Perfs 8548-67', 8569-93' sqz w/160 sxs (5/68)  
 Reperf 8580-93', 8596-8601', 8603-8613' (5/68)  
 Perfs 8623-34', 8638-44', 8653-8661' w/2 spf (11/63)

CIBP @ 8678' w/10' cmt on top (ETD 8,668')

Perfs 8697-8727'

Perfs 8914-40', sqz w/50 sxs

CIBP @ 8960'

Perfs 8967-78'

Perfs 8990-9004, sqz w/50 sxs (8/60)

Perfs 9034-48', sqz w/50 sxs (8/60)

7" 29,26 & 23# N-80 LT&C and Butress CSG @ 9117'  
 Cement w/1st stg. 275 sxs, 2nd stg. 1050 sxs.





GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

March 16, 2011

CERTIFIED MAIL NO.: 7005 1820 0001 5562 7876

Mr. John Warren  
Patara Oil & Gas  
600 17<sup>th</sup> Street Suite 1900S  
Denver, CO 80202

43,037 15049  
Lisbon D-6116  
30S 24E 16

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

Dear Mr. Warren:

As of January 2011, Patara Oil & Gas (Patara) has one (1) State Lease Well (see Attachment A) that is currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. Patara also has three (3) State Lease Wells (Attachment A) that are currently under extension status valid through August and September 2011.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Please note that the Divisions preferred method for showing well integrity is by MIT

Page 2  
Patara Oil & Gas  
March 16, 2011

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

DKD/IP/js  
Enclosure  
cc: Compliance File  
Well File  
LaVonne Garrison, SITLA

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

# ATTACHMENT A

	Well Name	API	LEASE	Years Inactive
<b>1<sup>ST</sup> NOTICE</b>				
1	LISBON UNIT D-716	43-037-31034	ML-13692	1 Year 1 Month
<b>SI/TA EXTENSION VALID TO 8/1/2011</b>				
→ 2	LISBON D-616	43-037-15049	ML-13692	1 Year 7 Months
<b>SI/TA EXTENSION VALID TO 9/1/2011</b>				
3	LISBON B-616	43-037-16242	STATE	15 Years
4	MIDDLE MESA ST 36-24-29-24	43-037-31856	ST-UT-37067	1 Year 1 Month



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

September 14, 2012

CERTIFIED MAIL NO.: 70110110000135682318

Mr. John Warren  
Patara Oil & Gas, LLC  
600 17<sup>th</sup> Street, Suite 1900S  
Denver, CO 80202

43 037 15049  
Lisbon D-616  
30S 24E 16

Subject: **Second Notice: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases**

Dear Mr. Warren:

As of January 2012, Patara Oil & Gas (Patara) has three (3) State Lease Wells (see attachment A) that are currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. Two (2) of these wells (Attachment A) previously had extensions which expired in August and September 2011. The other well had an extension the expired in May of this year. The Utah Division of Oil, Gas and Mining (Division) wishes to remind Patara that these wells have all previously been noticed, most recently dated March 16, 2011. To date the Division has not seen any further effort being made by Patara on the above wells to move them out of non-compliance status. Please submit the necessary data as outlined below.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3)

For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static



Page 2  
Patara Oil & Gas  
September 14, 2012

fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Please note that the Divisions preferred method for showing well integrity is by MIT

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

DKD/JP/ear

cc: LaVonne Garrison, SITLA  
Compliance File  
Well File

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

# ATTACHMENT A

	Well Name	API	LEASE	Years Inactive	Extension Expired
<b>2<sup>ND</sup> NOTICE W/ PAST DUE S/TA EXTENSIONS</b>					
1	LISBON UNIT D-716	43-037-31034	ML-13692	2 Years 1 Month	5/1/2012
2	LISBON B-616	43-037-16242	ML-8366	16 Years	9/1/2011
3	LISBON D-616	43-037-15049	ML-13692	2 Years 7 Months	8/1/2011

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

RECEIVED

MAY 29 2013

FORM 9

DIV OF OIL, GAS & MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-13692
2. NAME OF OPERATOR: CCI Paradox Upstream LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 600 17 St. Ste 1900S CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: Lisbon Unit
4. LOCATION OF WELL FOOTAGES AT SURFACE: 660 FNL, 660 FEL COUNTY: San Juan QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 16 30S 24E STATE: UTAH		8. WELL NAME and NUMBER: Lisbon D-616
PHONE NUMBER: (303) 825-0685		9. API NUMBER: 4303715049
		10. FIELD AND POOL, OR WILDCAT: Lisbon

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 5/15/2013	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Pressure Test</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

CCI has conducted a mechanical integrity pressure test on the subject shut-in oil well. A pump truck was hooked up to the well and pressured up against the casing for a test period of 15 minutes. A 500 psi static spring was used with matching chart. The well held at approximately 345 psi for the duration of the test, and was then bled off down to 0 psi and returned to a shut-in state.

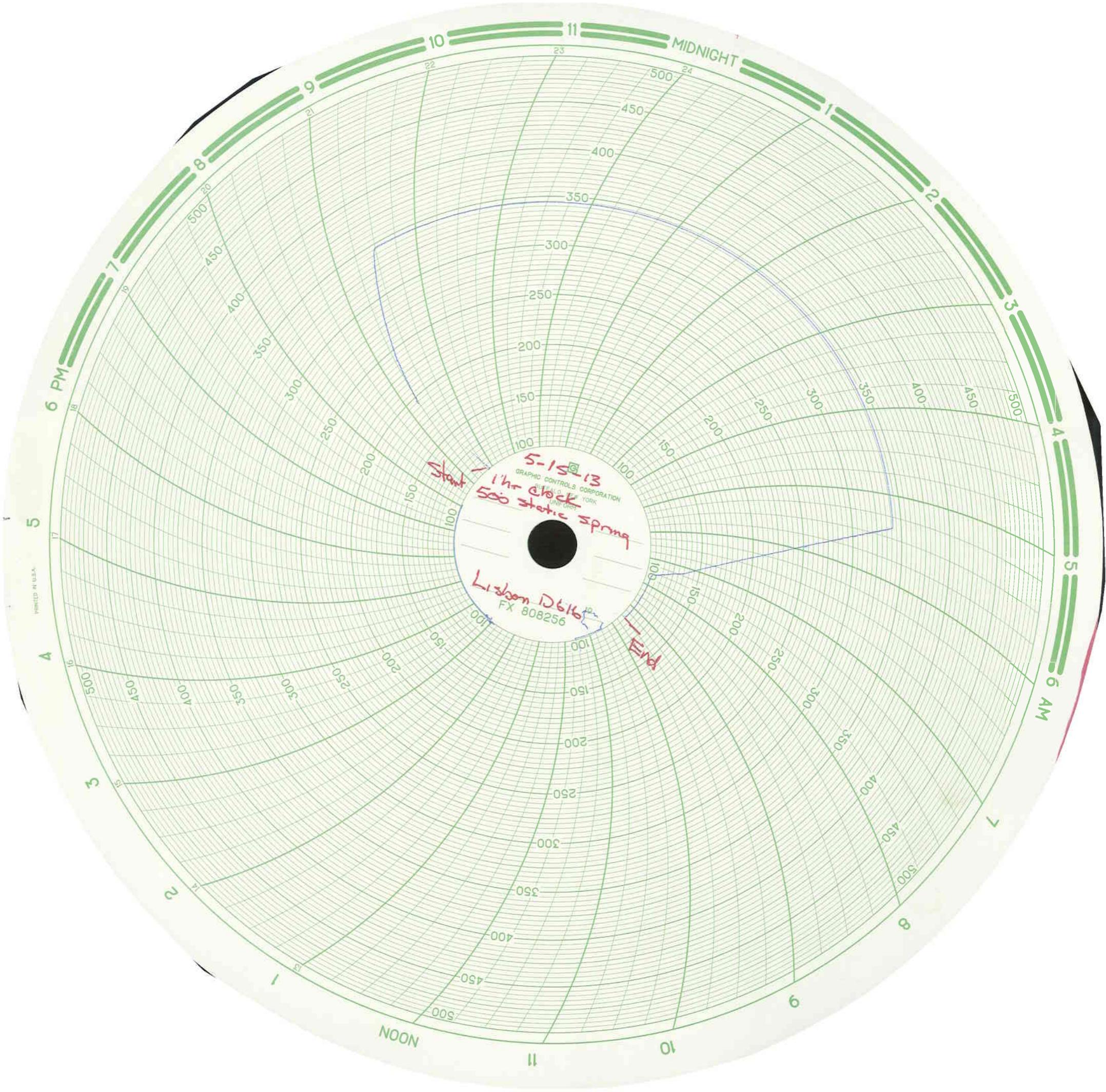
Please find the attached charter recorder.

Thank you.

NAME (PLEASE PRINT) <u>Christopher Noonan</u>	TITLE <u>Supervisor</u>
SIGNATURE 	DATE <u>5/22/2013</u>

(This space for State use only)

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
For Record Only



Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

ROUTING

CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

11/1/2012

<b>FROM:</b> (Old Operator): N3670-Patara Oil & Gas, LLC 600 17th Street, Suite 1900S Denver, CO, 80202 Phone: 1 (303)-825-0685	<b>TO:</b> ( New Operator): N3945- CCI Paradox Upstream, LLC 600 17th Street, Suite 1900S Denver, CO, 80202 Phone: 1 (303)-825-0685
---	---

CA No.

Unit:

Lisbon

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
LISBON D-616	16	300S	240E	4303715049	8123	State	OW	S
LISBON B-616	16	300S	240E	4303716242	8123	State	OW	S
LISBON UNIT D-716	16	300S	240E	4303731034	8123	State	OW	S

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 1/23/2013
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 2/7/2013
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/6/2013
- Is the new operator registered in the State of Utah: Business Number: 8523441-0161
- (R649-9-2) Waste Management Plan has been received on: Not Yet
- Inspections of LA PA state/fee well sites complete on: N/A
- Reports current for Production/Disposition & Sundries on: 2/12/2013
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM N/A BIA N/A
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: Not Yet
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 6/6/2013
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/6/2013
- Bond information entered in RBDMS on: 3/13/2013
- Fee/State wells attached to bond in RBDMS on: 6/6/2013
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: 105865919
- Indian well(s) covered by Bond Number: N/A
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number See Comments Below
- The **FORMER** operator has requested a release of liability from their bond on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

**COMMENTS:**

3a. Bond number of state/fee wells of new operator:	<b>Bond No.:</b>
LISBON D-616 ✓ 4303715049	105877777 OK
LISBON B-616 ✓ 4303716242	105877779 OK
LISBON UNIT D-716 ✓ 4303731034	105877778 OK

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: n/a
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: n/a
		8. WELL NAME and NUMBER: Multiple
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Multiple Well Transfer</u>	9. API NUMBER: n/a	
2. NAME OF OPERATOR: CCI Paradox Upstream LLC <u>N3945</u>		10. FIELD AND POOL, OR WILDCAT: n/a
3. ADDRESS OF OPERATOR: 600 17th St. Ste. 1900S Denver, CO 80202		PHONE NUMBER: (303) 825-0685
4. LOCATION OF WELL FOOTAGES AT SURFACE: n/a		COUNTY: San Juan, UT
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: <u>11/1/2012</u>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

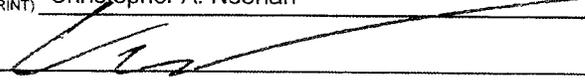
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

CCI Paradox Upstream LLC (CCI), hereby requests the transfer of operating rights and responsibilities for the subject wells, listed herein, to the new owner/operator of the assets, CCI, being effective November 1, 2012. The assets were previously operated by Patara Oil & Gas LLC (Patara) prior to sale.

Please see Exhibit I for a detailed list of upstream assets considered for transfer. Patara midstream assets will be transferred via a separate letter, enclosed.

Bond Number:  
BLM: 105865919  
State: 105865922 (blanket bond)

Four wells individually bonded (not under blanket bond)  
- see attached list

NAME (PLEASE PRINT) <u>Christopher A. Noonan</u>	TITLE <u>Regulations &amp; Production Reporting Supervisor</u>
SIGNATURE 	DATE <u>2/6/2012</u>

(This space for State use only)

**APPROVED**

JUN 06 2013

(5/2000) (See Instructions on Reverse Side)

Div. of Oil, Gas & Mining

BY: Zeta Clewett For Rachel Medina

RECEIVED

FEB 07 2013

RECEIVED

JAN 23 2013

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Multiple Well Transfer</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: n/a
2. NAME OF OPERATOR: Patara Oil & Gas LLC <u>N3670</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
3. ADDRESS OF OPERATOR: 600 17th St. Ste. 1900S CITY Denver STATE CO ZIP 80202 PHONE NUMBER: (303) 825-0685		7. UNIT or CA AGREEMENT NAME: n/a
4. LOCATION OF WELL FOOTAGES AT SURFACE: n/a QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		8. WELL NAME and NUMBER: Multiple
		9. API NUMBER: n/a
		10. FIELD AND POOL, OR WILDCAT: n/a
		COUNTY: San Juan, UT
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: <u>11/1/2012</u>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Patara Oil & Gas LLC (Patara) hereby requests the transfer of operating rights and responsibilities for the subject wells, listed herein, to the new owner/operator of the assets, being effective November 1, 2012; CCI Paradox Upstream LLC (CCI).

Please see Exhibit I for a detailed list of upstream assets considered for transfer. Patara midstream assets will be transferred via a separate letter, enclosed.

NAME (PLEASE PRINT) <u>Christopher A. Noonan</u>	TITLE <u>Regulations &amp; Production Reporting Supervisor</u>
SIGNATURE <u><i>Christopher A. Noonan</i></u>	DATE <u>1/18/13</u>

(This space for State use only) **APPROVED**

JUN 06 2013

Patara Oil & Gas, LLC (N3670) to CCI Paradox, LLC (N3945)  
Effective 11/1/2012

Well Name	Section	Twn	Rng	API Number	Utah Entity No.	Lease Type	Well Type	Well Status	Bond No.
LISBON D-616	16	300S	240E	4303715049	8123	State	OW	S	105877777
LISBON B-616	16	300S	240E	4303716242	8123	State	OW	S	105877779
LISBON UNIT D-716	16	300S	240E	4303731034	8123	State	OW	S	105877778
CISCO STATE 36-13	36	310S	240E	4303750008	18091	State	GW	TA	105877776



Castleton Commodities International Paradox Upstream, LLC  
600 17<sup>th</sup> Street, Suite 1900S  
Denver, CO 80202

T 303-825-0685  
F 720-235-4560

March 26, 2013

Department of Natural Resources  
Division of Oil, Gas and Mining  
Mr. Dustin Doucet, Ms. Rachel Medina  
1594 West North Temple, Suite 1210  
Salt Lake City, Utah 84116

RECEIVED

MAR 28 2013

DIV OF OIL, GAS & MINING

Dear Mr. Doucet & Ms. Medina,

CCI Paradox Upstream LLC (CCI) would like to take this opportunity to address future operations on 4 wells owned and operated by the company located in San Juan County, Utah. On March 5, 2013 the Utah Division of Oil, Gas and Mining (UDOGM) requested CCI to submit a plan of operations for 4 wells which had been part of an asset sale from Patara Oil & Gas LLC (Patara) to CCI, effective November 1, 2012. The subject wells have been in a shut-in state for over a year while the CCI team (formerly operating as Patara) evaluated options in the Lisbon and Cisco fields. CCI proposes the following operations for the Lisbon field with work beginning in 2014:

**Lisbon B-616** - Pull tubing and test well for potential in Paradox Clastic intervals. Should testing prove unproductive, CCI will put this well on a plugging list for 2014 or 2015.

**Lisbon D-616** - Pull tubing and test well for potential in Paradox Clastic intervals. Should testing prove unproductive, CCI will put this well on a plugging list for 2014 or 2015.

**Lisbon D-716** - Pull tubing and test well for potential in Paradox Clastic intervals. Should testing prove unproductive, CCI will put this well on a plugging list for 2014 or 2015.

CCI proposes the following operations for the Cisco acreage with work being conducted in 2014:

**Cisco State 36-13** - Test well for potential in Paradox Clastic intervals.

If any questions arise from review of our proposed operations for the subject wells, please do not hesitate to give myself, or the Vice President of Operations, John Warren a call at 303-563-5377 or 303-563-5369, respectively.

Kind Regards,

Christopher Noonan  
Regulations & Production Reporting Supervisor  
CCI Paradox Upstream LLC



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

September 4, 2014

CERTIFIED MAIL NO.: 7011 2970 0001 8828 1580

43.037 15049  
Libson D-6116  
16 30S 24E

Mr. John Warren  
CCI Paradox Upstream, LLC  
600 17<sup>th</sup> Street, Suite 19005  
Denver, CO 80202

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

Dear Mr. Warren:

As of April 2014, CCI Paradox Upstream, LLC (CCI) has four (4) State Lease Wells (see attachment A) that are currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. All of these wells (attachment A) have previously been issued notices of non-compliance and have remained in non-compliance.

The Division understands the Cisco State 36-13 has been plugged (attachment A). However, it is not showing as such due to CCI having not filed a subsequent sundry. Two (2) of the Libson wells are over five (5) years shut-in and required to meet rule R649-3-36-1.3.3 as stated below.

March 26, 2013, CCI sent the Division a letter addressing the future operations for the four (4) wells. On the three (3) Libson wells (attachment A) it was stated that if testing proved unproductive, CCI would put these wells on a plugging list for 2014-2015 timeframe. The Division has not received any additional information from CCI concerning the status or plans for these wells nor followed through with plans to bring these wells into compliance.

CCI shall immediately submit plans and timeframes for each well stating which wells will be plugged, placed back on production, or requesting SI/TA extension with proof of wellbore integrity and good cause for such request. All wells need an individual sundry filed and are required to meet the SI/TA rules as listed below.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1)
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Please note that the Divisions preferred method for showing well integrity is by MIT

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

# ATTACHMENT A

	<b>Well Name</b>	<b>API</b>	<b>LEASE</b>	<b>Years Inactive</b>	<b>Prior Notice</b>
1	LIBSON B-616	43-037-16242	ML-8366	18 years	2 <sup>ND</sup> NOTICE
2	LIBSON D-616	43-037-15049	ML-13692	5 years 8 months	2 <sup>ND</sup> NOTICE
3	LIBSON UNIT D-716	43-037-31034	ML-13692	4 years 4 months	2 <sup>ND</sup> NOTICE
4	CISCO STATE 36-13	43-037-50008	ML-48737	2 years 7 months	Plugged; Needs Subsequent Sundry

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-13692
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: CCI PARADOX UPSTREAM, LLC	7. UNIT or CA AGREEMENT NAME: LISBON
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1900S , Denver, CO, 80202	8. WELL NAME and NUMBER: LISBON D-616
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FNL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 16 Township: 30.0S Range: 24.0E Meridian: S	9. API NUMBER: 43037150490000
9. FIELD and POOL or WILDCAT: LISBON	COUNTY: SAN JUAN
STATE: UTAH	

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 9/23/2016	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input checked="" type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Regarding the 9/4/14 "Extended Shut-in and Temporarily Abandoned Well Requirements for Fee or State Leases" letter sent by State of Utah, CCI has conducted a MIT for pressure testing the subject well on 5/15/13. A pump truck was hooked up to the well and pressured up against the casing for a test period of 15 minutes. A 500 psi static spring was used with matching chart. The well held at approximately 305 psi for the duration of the test, and was then bled off down to 0 psi and returned to a shut-in state. (Charter recorder attached). The well has been in static state since MIT was conducted. On 10/31/14, the casing pressure was at 0 psi and tubing pressure was at 860 psi. CCI hereby respectfully requests for an extended shut in status under rule R649-3-36 for a period of 2 yrs on this well to allow CCI to analyze the productive capabilities and future potential use of the wellbore.

Approved by the  
 Utah Division of  
 Oil, Gas and Mining

Date: December 16, 2014  
 By: *Derek Duff*

Please Review Attached Conditions of Approval

<b>NAME (PLEASE PRINT)</b> Chrissy Lawson	<b>PHONE NUMBER</b> 303 563-5378	<b>TITLE</b> Regulatory Specialist
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/23/2014	



**The Utah Division of Oil, Gas, and Mining**

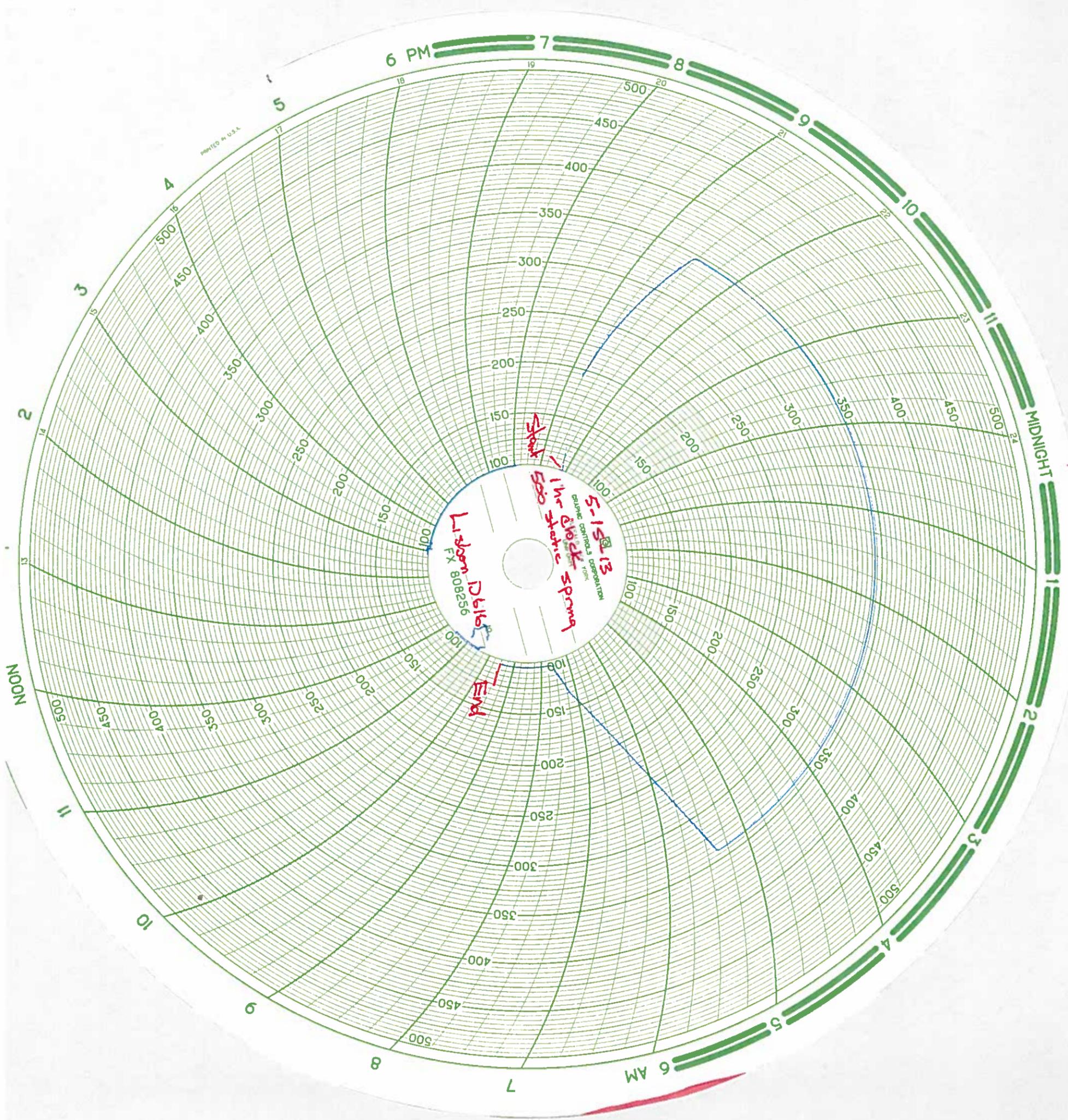
- State of Utah
- Department of Natural Resources

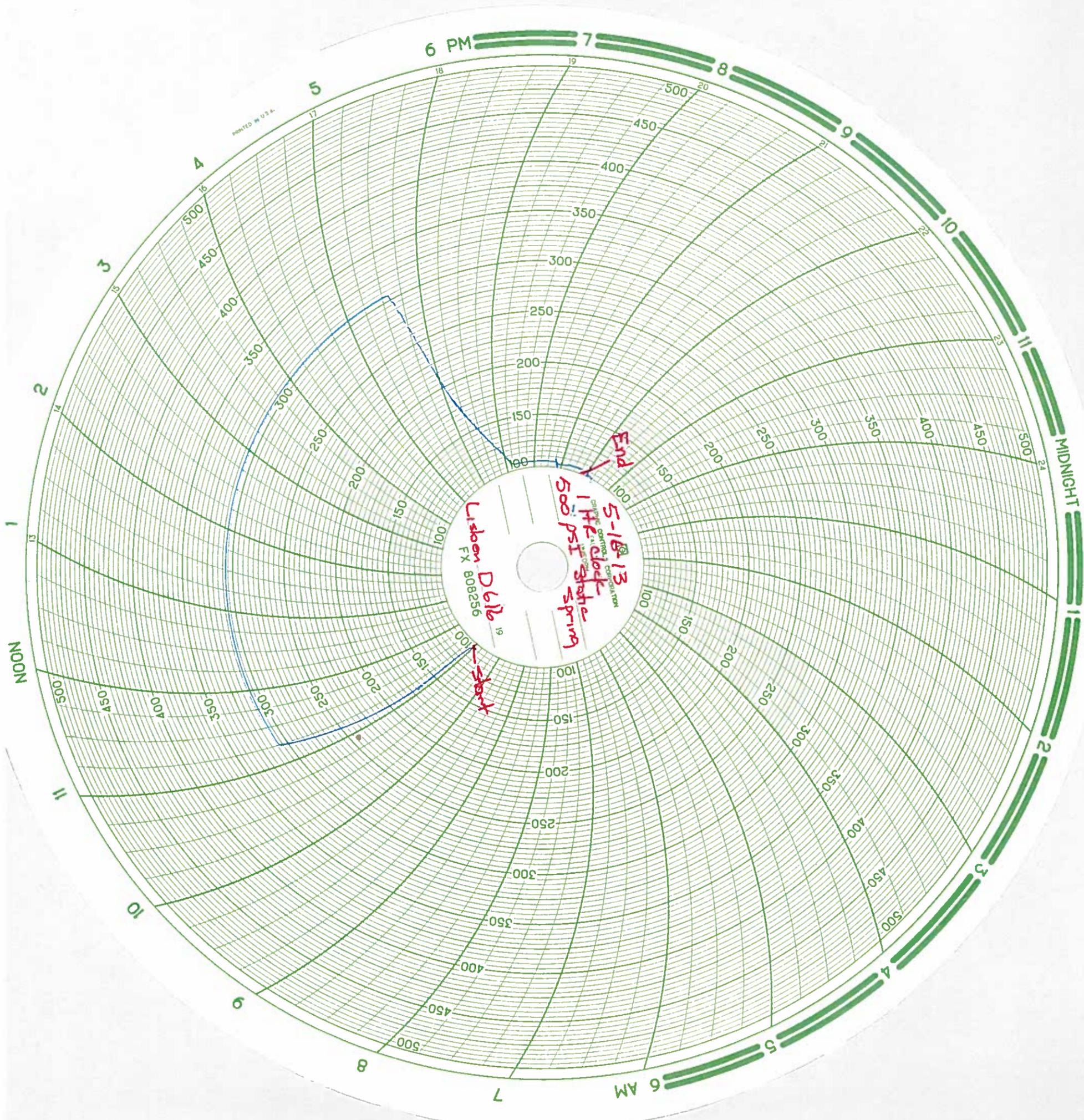
**Electronic Permitting System - Sundry Notices**

**Sundry Conditions of Approval Well Number 43037150490000**

**EXTENSION VALID THROUGH JUNE 1, 2015. Extension beyond that date will not be given without a specific plan and dates for testing the well.**

**At a minimum, casing and tubing pressures should be recorded monthly and reported to the Division on a sundry notice.**





<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-13692
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  
<b>2. NAME OF OPERATOR:</b> CCI PARADOX UPSTREAM, LLC		<b>7. UNIT or CA AGREEMENT NAME:</b> LISBON
<b>3. ADDRESS OF OPERATOR:</b> 600 17th Street, Suite 1900S , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> LISBON D-616
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FNL 0660 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 16 Township: 30.0S Range: 24.0E Meridian: S		<b>9. API NUMBER:</b> 43037150490000
<b>PHONE NUMBER:</b> 303 728-2222 Ext		<b>9. FIELD and POOL or WILDCAT:</b> LISBON
<b>COUNTY:</b> SAN JUAN		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>2/28/2015</b>	<input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="Pumping &amp; Tubing Pressure"/>	
<input type="checkbox"/> SPUD REPORT Date of Spud:		
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. CCI Paradox Upstream, LLC has gathered casing & tubing pressures for the month of February 2015 for all shut-in wells, please see the attached spreadsheet. Subsequent monthly reports of shut-in well casing and tubing pressures will be submitted on a monthly basis.		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          March 12, 2015</b>		
<b>NAME (PLEASE PRINT)</b> Ashley Noonan	<b>PHONE NUMBER</b> 303 728-2232	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 3/12/2015	

Well Name	API	Casing Feb	Tubing Feb	Casing Mar	Tubing Mar	Casing Apr	Tubing Apr	Casing May	Tubing May	Casing Jun	Tubing Jun	Casing Jul	Tubing Jul	Casing Aug	Tubing Aug	Casing Sep	Tubing Sep	Casing Oct	Tubing Oct	Casing Nov	Tubing Nov	Casing Dec	Tubing Dec
BIG INDIAN UNIT 1	4303716219	480	2400																				
BULL HORN U 10-43	4303731831	280	0																				
LISBON B-616	4303716242	40	40																				
LISBON B-84	4303730054	0	101																				
LISBON B912	4303715769	1100	60																				
LISBON B-94	4303730695	0	0																				
LISBON C-69	4303716245	180	810																				
LISBON C-910	4303731323	480	60																				
LISBON C-94	4303716247	30	0																				
LISBON C-99	4303730693	20	1000																				
LISBON D-616	4303715049	0	15																				
LISBON D-716	4303731034	8	1160																				
LISBON D-84	4303716250	480	60																				
LISBON D-89	4303716251	100	140																				
FEDERAL 15-25	4303730317	380 Bottom/3300 Top	3300																				

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-13692
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: CCI PARADOX UPSTREAM, LLC	7. UNIT or CA AGREEMENT NAME: LISBON
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1900S , Denver, CO, 80202	8. WELL NAME and NUMBER: LISBON D-616
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FNL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 16 Township: 30.0S Range: 24.0E Meridian: S	9. API NUMBER: 43037150490000
9. FIELD and POOL or WILDCAT: LISBON	COUNTY: SAN JUAN
9. STATE: UTAH	

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/24/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

CCI Paradox Upstream LLC (CCI) plans to plug and abandon the subject well upon approval and reclaim the well site. Please find attached the Plug & Abandon Procedure, including a wellbore diagram, for the subject well. Thank you!

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

Date: March 24, 2015

By: 

**Please Review Attached Conditions of Approval**

NAME (PLEASE PRINT) Chrissy Lawson	PHONE NUMBER 303 563-5378	TITLE Regulatory Specialist
SIGNATURE N/A	DATE 3/20/2015	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Sundry Conditions of Approval Well Number 43037150490000**

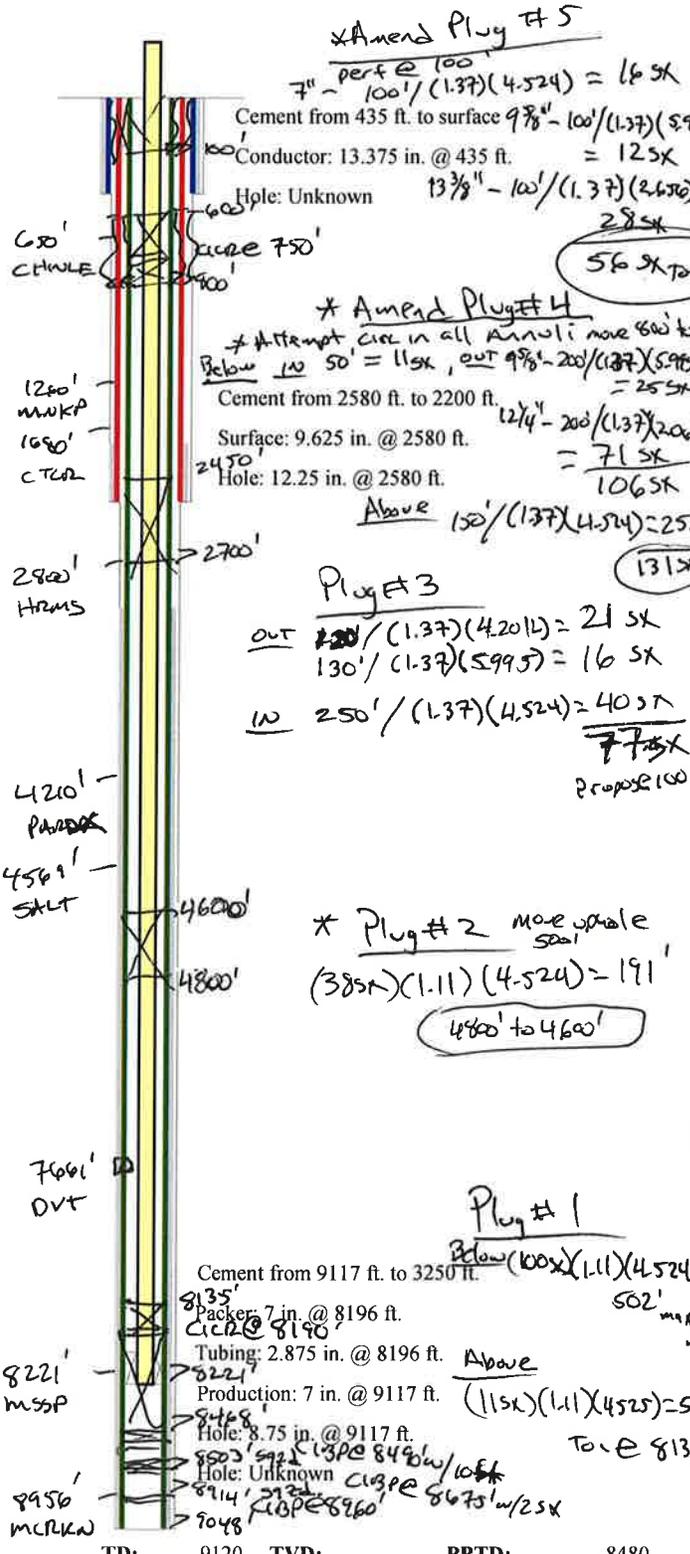
- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.**
- 2. Move Plug # : Plug shall be moved uphole approximately 500' and shall be balanced from  $\pm 4800'$  to 4600'. This will isolate the Paradox Salt formation from migration uphole into other formations.**
- 3. Amend and Move Plug #4: This plug shall be an inside/outside plug. RIH and perforate 7" and 9 5/8" @ 800'. RIH with CICR and set at 750'. Sting into CICR and establish circulation down the 7" casing back up the 7" x 9 5/8" annulus. Close 9 5/8" casing valve and attempt to establish injection into 9 5/8" perfs. If injection into the 9 5/8" perfs cannot be established: M&P 61 sx cement, sting into CICR pump 36sx, sting out and dump 25 sx on top of CICR. If injection is established: M&P 131 sx cement, sting into CICR, open 13 3/8" casing valve, pump 82 sx, close 13 3/8" casing valve and open the 9 5/8" casing valve and pump 25 sx into perfs, sting out and dump 25 sx on top of CICR. This will isolate the Chinle Formation and near surface ground water.**
- 4. Amend Plug #5: All annuli shall be cemented from a minimum depth of 100' to the surface. Perf. 7" & 9 5/8" @ 100' and circulate cement to surface ( $\pm 56$ sx).**
- 5. All balanced plugs shall be tagged to ensure that they are at the depth specified.**
- 6. Surface reclamation shall be done in accordance with R649-3-34 - Well Site Restoration.**
- 7. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.**
- 8. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.**
- 9. All other requirements for notice and reporting in the Oil and Gas Conservation general rules shall apply.**

# Wellbore Diagram

API Well No: 43-037-15049-00-00 Permit No: Well Name/No: LISBON D-616  
 Company Name: CCI PARADOX UPSTREAM, LLC  
 Location: Sec: 16 T: 30S R: 24E Spot: NENE  
 Coordinates: X: 650067 Y: 4227526  
 Field Name: LISBON  
 County Name: SAN JUAN

### String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)	(Accept) (f/cf)
COND	435	13.375	48		
HOL1	2580	12.25			
SURF	2580	9.625	36		
HOL2	9117	8.75			
PROD	9117	7	23		4.524
CIBP	8960	7			
CIBP	8668	7			
CIBP	8480	7			
PKR	8196	7			
CIBP	8323	7			
TJ	8196	2.875			
UNK	0				



### Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks 9 7/8" x 7" →
CIBP	8490	8480		
CIBP	8678	8668		
COND	435	0	G	190
PROD	9117	3250 TL	50	1325
SURF	2580	2200 Est.	G	125

### Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
8503	8727			
8329	8468			
8914	9048			
8221	8311			

### Formation Information

Formation	Depth
CHIN	650
SRMP	1190
MNKP	1260
CTLR	1680
HRMS	2800
PAROX	4210
MSSP	8221
OURAY	8702
ELBT	8780
MCRKN	8956
CMBRN	9059

TD: 9120 TVD: PBDT: 8480

**Lisbon D-616  
NE NE Section 16-T30S-R24E  
660' FNL & 660' FEL  
San Juan County, Utah  
API # 4303715123**

**PROPOSED P&A PROCEDURE  
3/19/15 J. Warren**

**Purpose:**

In order to satisfy the data requirements within a ½ mile radius of the proposed Lisbon D-716 acid gas injection well, it is necessary to plug and abandon the captioned well. Recent MIT tests in 2011 indicate that the 7" casing is intact. If there is csg pressure, then assume that there is a hole in the tbg. The wellbore has no more utility for CCI Paradox Upstream.

**Well Data:**

KB: 6229' GL: 6218'

Casing: 7" 29#, 26# and 23# N-80 LT&C  
Capacity = 0.0371 bbls / ft

Tubing: 2 7/8" L-80 (estimated 263 jts) tied into a retrievable pkr w/ fluid on the backside. A SN is located one jt above the pkr.  
Capacity = 0.00579 bbls / ft

Packer: 7" x 2 7/8" ASI-X set at 8196'

Open perforations: 8221 – 8311' OA. A CIBP is currently set at 8323' over other perforations.

Wellbore diagram is attached for more detail along with a proposed wellbore diagram showing the placement of cement plugs.

Attached are the Baker Services cementing proposals for five (5) plugs.

**Procedure:**

1. Set 2 frac tanks. Fill one with 500 bbls of produced water. Fill the other with 220 bbls of fresh water for cement work.
2. RU safety individual to monitor H2S levels during the workover.

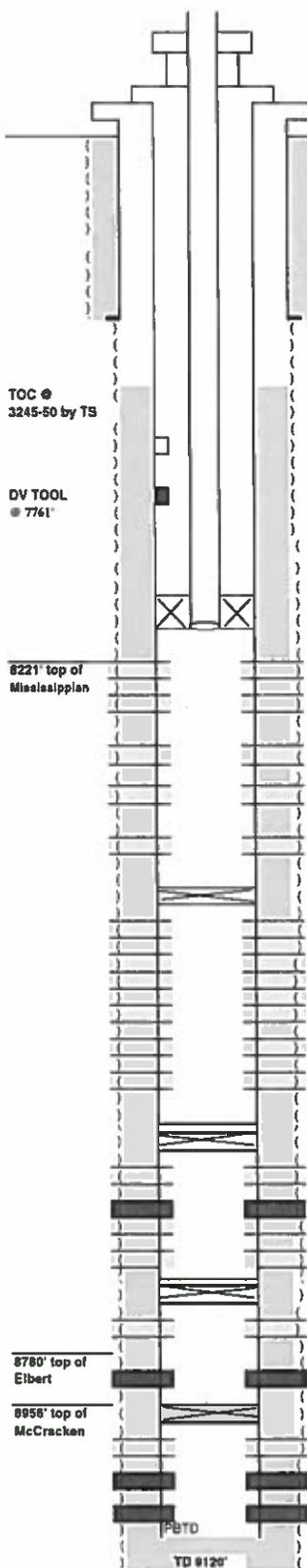
3. RU workover rig. Kill well with produced water. If the well has pressure on the tbg and casing, bleed off the pressure to the separator. If not possible, rig up a flare and flare off the sour gas.
4. ND tree and NU BOPE.
5. Turn tbg to the right and PU on tbg to release packer. If packer will not release, then cut tbg off 5' above the pkr and leave pkr in place. POOH w/ tbg and packer. Lay down any bad joints of tbg that would jeopardize the continuation of work. Replace with joints from the yard.
6. MU a 7" mechanical set cement retainer. TIH and set either at 8190' +/- or just above the tbg cutoff.
7. RU Baker Services. Pump Plug #1. Pump a 10 bbl fresh water spacer followed by 100 sacks of 16.1 ppg Class G cement with a density of 1.11 cf/sk. Sting out of retainer and spot a 50' cement plug (11 sacks) on top of the retainer. PU above cement and displace tbg with 47 bbls of fresh water.
8. LD tbg to 5300'. Fill hole w/ produced water.
9. Using Baker Services, pump Plug #2 from 5300 – 5100'. Pump a 10 bbl fresh water spacer followed by 38 sacks Class G cement, 16.1 ppg, 1.11 cf/sk density. Top of cement plug should be at 5100'. PU out of cement and displace tbg with 30 bbls fresh water.
10. LD 77 jts of tbg and POOH w/ tbg.
11. RU Cutters Wireline. RIH w/ gauge ring and tag top of plug #2. RIH and shoot 4 squeeze holes at 2700'. RD wireline services.
12. Open annulus valves and establish injection down casing and into the annulus. RIH w/ tbg to 2700'.
13. RU Baker Services, perform a balanced block squeeze for Plug #3 from 2700 -2450' inside and outside of the csg using a 10 bbl fresh water spacer followed w/ 100 sacks of 14.6 ppg Type III Neat cement with a 1.37 cf/sk density. PU tbg to above the cement and displace tbg with 15 bbls fresh water. **Note:** pumping 100 sacks may raise cement to higher than 2450'.
14. LD tbg to 1100'. Using Baker Services, Pump Plug #4 from 1100 – 1000'. Pump 10 bbls fresh water spacer followed by 16 sacks of Type III cement, 14.6 ppg with a 1.37 cf/sk density. Displace tbg with 6 bbls fresh water and LD all but 50' of tbg.

15. Pump top 50' using 10 bbl fresh water spacer followed by 14 sacks of Type III cement, 14.6 ppg with a 1.37 cf/sk density. LD tbg. RD Baker Services.
16. Cut off wellhead 3' below ground level. Weld on a cap showing the P&A date, well name, API #, and legal coordinates.
17. Fill cellar, move wellhead equipment to the yard and clean location. The tbg string and frac tanks move to the Lisbon B-616 for P&A work there.
18. Turn well over to field personnel to remove junk piping and rehab the well site. Currently there is no production equipment to be removed.

**WELLBORE DIAGRAM**

Company: CCI Paradox Upstream, LLC  
 Lease Name: LISBON (MISS) UNIT  
 Lease Number: D-616  
 Location: NENE Sec 16-T30S-R24E  
 County: SAN JUAN COUNTY, UTAH  
 Date: 2/12/2001

Spud Date 4/10/00  
 Recompletion Date 12/21/00



KB' 6229'  
 GL 6218'  
 13 3/8" 48# H-40 @ 435' - Cement w/190 sx Circ to surf

Cement circulated to surface

2580' 9 5/8" 36# J-55 @ 2580' - Cement w/125 sx

TUBING DETAIL 12/29/00		
KB	11.00'	
2634 jts 2 2/8" tbg	8146.07'	8157.07'
2 7/8" seat nipple	1.10'	8158.17'
1 jt 2 7/8" 6.5# J-55 tbg	31.47'	8189.64'
7" x 2 7/8" ASI-X packer	6.30'	8195.94'
Tubing landed @ 8195.94'		

TOC for prod csg @ 4053' (calc.)

2 7/8" TBG @ 8195.94' - Packer set at 8195.94'

Perfs 8221-8226'  
 Perfs 8234-8238'  
 Perfs 8268-8274'  
 Perfs 8282-8286'  
 Perfs 8301-8311'

Perf 8221 - 8311' w/4" gun, 4 spf, 23 grms, 90 phasing (12/22/00)  
 Acidize 8221 - 8311' w/4000 gals 15% HCl acid w/additives (12/30/00)

CIBP set @ 8323'  
 Perfs 8329-34'  
 Perfs 8345-49'  
 Perfs 8358-61'  
 Perfs 8363-68'  
 Perfs 8381-87'  
 Perfs 8393-8410'

Mississippian perms: 8329-8468' (12/3/06)  
 Perf 8329-8468 w/4 spf  
 Acidize 8329-8468 w/4000 gals 15% HCL

Perfs 8448-53'  
 Perfs 8463-68'

CIBP @ 8490' w/10' CMT ON TOP (ETD 8480') 11/06  
 Perfs 8503-17' w/2 spf (2/73)  
 Perfs 8548-67', 8569-83' sqz w/160 sx (5/68)  
 Reperf 8580-93', 8596-9601', 8603-8613' (5/68)

Perfs 8623-34', 8638-44', 8653-8661' w/2 spf (11/63)  
 CIBP @ 8678' w/10' cmt on top (ETD 8,668')

Perfs 8697-8727'  
 Perfs 8914-40', sqz w/50 sx

CIBP @ 8960'  
 Perfs 8967-78'  
 Perfs 8990-9004, sqz w/50 sx (8/60)  
 Perfs 9034-48', sqz w/50 sx (8/60)

7" 29.26 & 23# N-80 LT&C and Buttriss CSG @ 9117'  
 Cement w/1st stg. 275 sx, 2nd stg. 1050 sx.

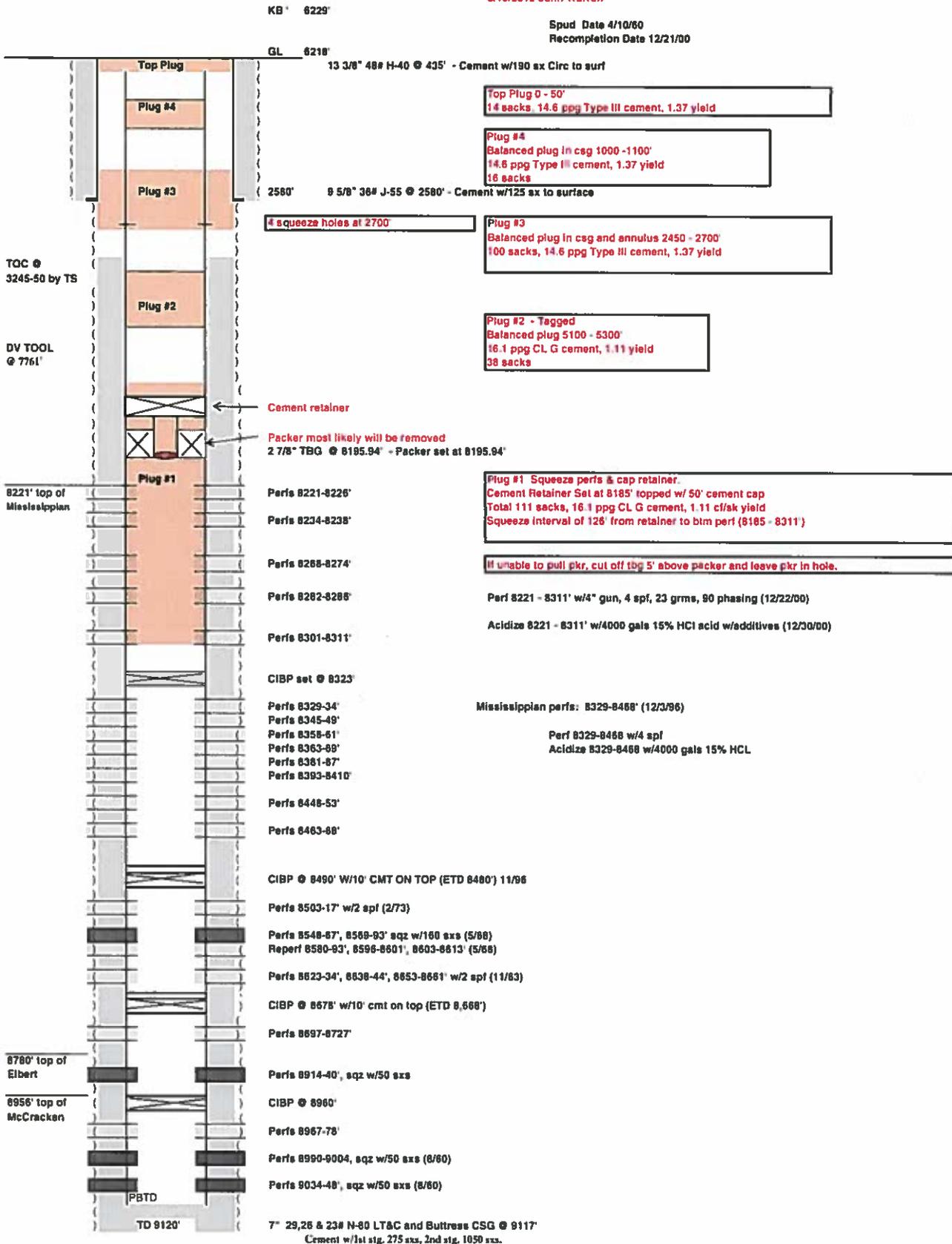
**PROPOSED WELL BORE DIAGRAM**

**PROPOSED P&A**

660' FNL & 660' FEL  
API # 4303715123

Company: CCI Paradox Upstream, LLC  
Lease Name: LISBON (MISS) UNIT  
Lease Number: D-616  
Location: NENE Sec 16-T30S-R24E  
County: SAN JUAN COUNTY, UTAH  
Date: 2/12/2001  
3/19/2015 John Warren

Spud Date 4/10/60  
Recompletion Date 12/21/00





Proposal No: 1001176966A

**CASTLETON COMMODITIES INTERNATIONAL**  
**Lisbon D-616**

March 19, 2015

**Well Proposal**

**Prepared for:**

John B. Warren  
Vice President of Operations  
CCI Paradox Upstream, LLC.  
Bus Phone: 303-728-2226

**Prepared by:**

Yunmiao Liang  
Field Engineer

**Approved by:**

Bryan Kang  
District Engineer

**Service Point:**

PP, FARMINGTON  
Bus Phone: 505-3276222  
Fax: 505-327-5766

**Service Representatives:**

JASON THOMAS  
Sales

Powered by

**PowerVision**



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**TITLE:** Bid Proposal  
**TO:** CCI Paradox Upstream, LLC.  
**SUBJECT:** Plug & Abandon  
**DATE:** 3/19/2015

John B. Warren

Thank you for choosing Baker Hughes Incorporated for your cementing operations. This package contains the following information regarding the cement job you've requested:

- Basis of Design Provided by Customer
- Basis of Design Assumed
- Proposal for Design and Pricing
- Previous Test Results on Cement Design

The cement tests that will be run for this job is listed below. Please request additional tests if you would like to see them.

- Rheology Testing
- Consistometer Gel Strength
- Fluid Loss Rate
- Free Fluid Testing

Please review the information in this package carefully and relate any questions or concerns. We look forward to working with you and providing you the best service possible.

**Thank you!**



## Basis of Design

Listed below are the design criteria used to determine the slurry design. It lists the information that was provided and the information that was assumed. Please let us know if the information that was assumed is incorrect so we can update the proposal and adjust the cement design as needed.

Basis of Design Provided	Basis of Design Assumed
<ul style="list-style-type: none"> <li>• <b>Surface Casing</b> <ul style="list-style-type: none"> <li>○ Casing Info - 9.625 inch O.D. - 36 lbs/ft</li> <li>○ Depth - 2580 ft</li> </ul> </li>   <li>• <b>Long String Casing</b> <ul style="list-style-type: none"> <li>○ Hole Size - 8.921 inches (Assumed)</li> <li>○ Casing Info - 7 inch O.D. - 29 lbs/ft (Assumed)</li> <li>○ Casing Depth - 9117 ft</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>Spacer System</b> <ul style="list-style-type: none"> <li>○ Water based mud for all stages</li> <li>○ Assumed 9.0 ppg mud system</li> </ul> </li>   <li>• <b>Temperature</b> <ul style="list-style-type: none"> <li>○ Assumed surface temperature gradient was 0.8 F/100 feet and increased + 0.1 F/ 100 feet per every 1000 feet of depth.</li> </ul> </li> </ul>



## Proposal Overview

This is a compressed version of the proposal with a brief overview of the cement procedure and cement design. It contains the cement slurry design, the volumes of each stage and any other design parameters.

<b>Plug 1</b>	
<p><b><u>Spacer System</u></b></p> <ul style="list-style-type: none"> <li>○ <i>Fresh Water</i> <ul style="list-style-type: none"> <li>• 8.34 <i>ppg</i></li> <li>• 10.00 <i>BBLS</i></li> </ul> </li> </ul>	<p><b><u>Lead Cement System</u></b></p> <ul style="list-style-type: none"> <li>○ <i>Class G</i> <ul style="list-style-type: none"> <li>• Cement Density - 16.10 <i>ppg</i></li> <li>• Cement Yield - 1.11 <i>cf/sk</i></li> <li>• Cement Volume - 111 <i>Sacks</i></li> <li style="padding-left: 40px;">- 22 <i>BBLS</i></li> <li>• Water Needed - 12 <i>BBLS</i></li> <li>• Additives                             <ul style="list-style-type: none"> <li>○ 0.1 % - FL-52</li> <li>○ 0.3 % - R-3</li> <li>○ 0.1 % - CD-32</li> </ul> </li> </ul> </li> </ul>



## Proposal Overview Continued

<b>Plug 2</b>	
<p><b><u>Spacer System</u></b></p> <ul style="list-style-type: none"> <li>○ <i>Fresh Water</i> <ul style="list-style-type: none"> <li>• 8.34 <i>ppg</i></li> <li>• 10.00 <i>BBLS</i></li> </ul> </li> </ul>	<p><b><u>Lead Cement System</u></b></p> <ul style="list-style-type: none"> <li>○ <i>Class G</i> <ul style="list-style-type: none"> <li>• Cement Density - 16.10 <i>ppg</i></li> <li>• Cement Yield - 1.11 <i>cf/sk</i></li> <li>• Cement Volume - 38 <i>Sacks</i></li> <li style="padding-left: 40px;">- 8 <i>BBLS</i></li> <li>• Water Needed - 4 <i>BBLS</i></li> <li>• Additives                             <ul style="list-style-type: none"> <li>○ 0.1 % - FL-52</li> <li>○ 0.3 % - R-3</li> <li>○ 0.1 % - CD-32</li> </ul> </li> </ul> </li> </ul>



## Proposal Overview Continued

Plug 3	
<u>Spacer System</u> <ul style="list-style-type: none"><li>○ Fresh Water<ul style="list-style-type: none"><li>• 8.34 <i>ppg</i></li><li>• 10.00 <i>BBLS</i></li></ul></li></ul>	<u>Lead Cement System</u> <ul style="list-style-type: none"><li>○ Type III<ul style="list-style-type: none"><li>• Cement Density - 14.60 <i>ppg</i></li><li>• Cement Yield - 1.37 <i>cf/sk</i></li><li>• Cement Volume - 100 <i>Sacks</i></li><li>• - 24 <i>BBLS</i></li><li>• Water Needed - 16 <i>BBLS</i></li></ul></li></ul>



## Proposal Overview Continued

Plug 4	
<b>Spacer System</b> <ul style="list-style-type: none"><li>○ <i>Fresh Water</i><ul style="list-style-type: none"><li>• 8.34 <i>ppg</i></li><li>• 10.00 <i>BBLs</i></li></ul></li></ul>	<b>Lead Cement System</b> <ul style="list-style-type: none"><li>○ <i>Type III</i><ul style="list-style-type: none"><li>• Cement Density - 14.60 <i>ppg</i></li><li>• Cement Yield - 1.37 <i>cf/sk</i></li><li>• Cement Volume - 16 <i>Sacks</i></li><li>- 4 <i>BBLs</i></li><li>• Water Needed - 3 <i>BBLs</i></li></ul></li></ul>



## Proposal Overview Continued

Plug 5	
<b>Spacer System</b> <ul style="list-style-type: none"><li>○ <i>Fresh Water</i><ul style="list-style-type: none"><li>• 8.34 <i>ppg</i></li><li>• 10.00 <i>BBLs</i></li></ul></li></ul>	<b>Lead Cement System</b> <ul style="list-style-type: none"><li>○ <i>Type III</i><ul style="list-style-type: none"><li>• Cement Density - 14.60 <i>ppg</i></li><li>• Cement Yield - 1.37 <i>cf/sk</i></li><li>• Cement Volume - 14 <i>Sacks</i></li><li>- 3 <i>BBLs</i></li><li>• Water Needed - 2 <i>BBLs</i></li></ul></li></ul>

Operator Name: CASTLETON COMMODITIES INTERNATIONAL  
 Well Name: Lisbon D-616  
 Job Description: First Day: Plug 1 and 2  
 Date: March 19, 2015



Proposal No: 1001176966A

**JOB AT A GLANCE**

Casing Size/Weight	7 in, 29 lbs/ft
Pump Via	Tubing 2 7/8" O.D. (2.469" .I.D) 5.9
Total Mix Water Required	691 gals
<b>Plug No: 1</b>	
<b>Spacer</b>	
Fresh Water	10 bbls
Density	8.3 ppg
<b>Plug Slurry</b>	
Class G	111 sacks
Density	16.1 ppg
Yield	1.11 cf/sack
<b>Displacement</b>	
Fresh Water	48 bbls
Density	8.3 ppg
<b>Plug No: 2</b>	
<b>Spacer</b>	
Fresh Water	10 bbls
Density	8.3 ppg
<b>Plug Slurry</b>	
Class G	38 sacks
Density	16.1 ppg
Yield	1.11 cf/sack
<b>Displacement</b>	
Fresh Water	30 bbls
Density	8.3 ppg

Operator Name: CASTLETON COMMODITIES INTERNATIONAL  
 Well Name: Lisbon D-616  
 Job Description: First Day: Plug 1 and 2  
 Date: March 19, 2015



Proposal No: 1001176966A

### FLUID SPECIFICATIONS

Spacer				= 10.0 bbls Fresh Water @ 8.34 ppg
	<b>PLUG NO.</b>	<b>VOLUME CU-FT</b>	<b>VOLUME FACTOR</b>	<b>AMOUNT AND TYPE OF CEMENT</b>
	1	123	1.11	= 111 sacks Class G Cement + 0.1% bwoc FL-52 + 0.3% bwoc R-3 + 0.1% bwoc CD-32 + 41.2% Fresh Water
Displacement				= 48.5 bbls Fresh Water @ 8.34 ppg
Spacer				= 10.0 bbls Fresh Water @ 8.34 ppg
	2	42	1.11	= 38 sacks Class G Cement + 0.3% bwoc R-3 + 0.1% bwoc CD-32 + 0.1% bwoc FL-52 + 41.2% Fresh Water
Displacement				= 30.1 bbls Fresh Water @ 8.34 ppg

### CEMENT PROPERTIES

	PLUG NO.1	PLUG NO.2
Slurry Weight (ppg)	16.10	16.10
Slurry Yield (cf/sack)	1.11	1.11
Amount of Mix Water (gps)	4.64	4.64

### PLUG GEOMETRY

	PLUG TOP		PLUG BOTTOM	
1	8185 ft	to	8311 ft	with 6.184 inch ID Casing
2	5100 ft	to	5300 ft	with 6.184 inch ID Casing

**Operator Name:** CASTLETON COMMODITIES INTERNATIONAL  
**Well Name:** Lisbon D-616  
**Job Description:** Second Day: Plug 3 , 4 and 5  
**Date:** March 19, 2015



**Proposal No:** 1001176966A

**JOB AT A GLANCE**

Depth (TVD)	2,800 ft
Depth (MD)	2,800 ft
Hole Size	8.921 in
Casing Size/Weight	7 in, 29 lbs/ft
Pump Via	Tubing 2 7/8" O.D. (2.469" .I.D) 5.9
Total Mix Water Required	864 gals

**Plug No: 3**

**Spacer**

Fresh Water	10 bbls
Density	8.3 ppg

**Plug Slurry**

Type III Neat	100 sacks
Density	14.6 ppg
Yield	1.37 cf/sack

**Displacement**

Fresh Water	15 bbls
Density	8.3 ppg

**Plug No: 4**

**Spacer**

Fresh Water	10 bbls
Density	8.3 ppg

**Plug Slurry**

Type III	16 sacks
Density	14.6 ppg
Yield	1.37 cf/sack

**Displacement**

Fresh Water	6 bbls
Density	8.3 ppg

**Operator Name:** CASTLETON COMMODITIES INTERNATIONAL  
**Well Name:** Lisbon D-616  
**Job Description:** Second Day: Plug 3 , 4 and 5  
**Date:** March 19, 2015



**Proposal No:** 1001176966A

**JOB AT A GLANCE (Continued)**

**Plug No:** 5

**Spacer**

<b>Fresh Water</b>	10 bbls
<b>Density</b>	8.3 ppg

**Plug Slurry**

<b>Type III Neat</b>	14 sacks
<b>Density</b>	14.6 ppg
<b>Yield</b>	1.37 cf/sack

Operator Name: CASTLETON COMMODITIES INTERNATIONAL  
 Well Name: Lisbon D-616  
 Job Description: Second Day: Plug 3 , 4 and 5  
 Date: March 19, 2015



Proposal No: 1001176966A

### FLUID SPECIFICATIONS

Spacer = 10.0 bbls Fresh Water @ 8.34 ppg

PLUG NO.	VOLUME CU-FT	VOLUME FACTOR	AMOUNT AND TYPE OF CEMENT
3	137	1.37	= 100 sacks Type III Cement

Displacement = 14.5 bbls Fresh Water @ 8.34 ppg

Spacer = 10.0 bbls Fresh Water @ 8.34 ppg

4	22	1.37	= 16 sacks Type III Cement
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Displacement = 5.9 bbls Fresh Water @ 8.34 ppg

Spacer = 10.0 bbls Fresh Water @ 8.34 ppg

5	19	1.37	= 14 sacks Type III Cement
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### CEMENT PROPERTIES

	PLUG NO.3	PLUG NO.4	PLUG NO.5
Slurry Weight (ppg)	14.60	14.60	14.60
Slurry Yield (cf/sack)	1.37	1.37	1.37
Amount of Mix Water (gps)	6.64	6.64	6.64

### PLUG GEOMETRY

	PLUG TOP		PLUG BOTTOM	
3	2450 ft	to	2700 ft	with 6.184 inch ID Casing
4	1000 ft	to	1100 ft	with 6.184 inch ID Casing
5	0 ft	to	50 ft	with 6.184 inch ID Casing

**Operator:** CASTLETON COMMODITIES INTERNATIONAL  
**Well Name:** Lisbon D-616  
**Date:** February 23, 2015



**Proposal No:** 1001176966A

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**PRODUCT DESCRIPTIONS**

**CD-32**

A patented, free-flowing, water soluble polymer that is an efficient and effective dispersant for primary and remedial cementing.

**FL-52**

A water soluble, high molecular weight fluid loss additive used in medium to low density slurries. It is functional from low to high temperature ranges.

**R-3**

A low temperature retarder used in a wide range of slurry formulations to extend the slurry thickening time.

**Type III Cement**

**P044**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-13692
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: CCI PARADOX UPSTREAM, LLC	7. UNIT or CA AGREEMENT NAME: LISBON
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1900S , Denver, CO, 80202	8. WELL NAME and NUMBER: LISBON D-616
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FNL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 16 Township: 30.0S Range: 24.0E Meridian: S	9. API NUMBER: 43037150490000
9. FIELD and POOL or WILDCAT: LISBON	COUNTY: SAN JUAN
9. STATE: UTAH	

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <b>3/31/2015</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

CCI Paradox Upstream LLC (CCI) has revised the original P&A procedure per the request of UDOGM. Please see the attached procedure including well bore diagram. Thank you!

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

Date: March 31, 2015

By: 

**Please Review Attached Conditions of Approval**

NAME (PLEASE PRINT) Ashley Noonan	PHONE NUMBER 303 728-2232	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 3/30/2015	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Sundry Conditions of Approval Well Number 43037150490000**

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.**
- 2. All balanced plugs shall be tagged to ensure they are at the depths specified in the procedure.**
  - 3. All annuli shall be cemented from a minimum depth of 100' to the surface.**
  - 4. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration.**
  - 5. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.**
- 6. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.**
- 7. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.**

**Lisbon D-616  
NE NE Section 16-T30S-R24E  
660' FNL & 660' FEL  
San Juan County, Utah  
API # 4303715123**

**PROPOSED P&A PROCEDURE**

**3/27/15 J. Warren**

**Purpose:**

In order to satisfy the data requirements within a ½ mile radius of the proposed Lisbon D-716 acid gas injection well, it is necessary to plug and abandon the captioned well. Recent MIT tests in 2011 indicate that the 7" casing is intact. If there is csg pressure, then assume that there is a hole in the tbg. The wellbore has no more utility for CCI Paradox Upstream.

**Well Data:**

KB: 6229' GL: 6218'

Casing: 7" 29#, 26# and 23# N-80 LT&C  
Capacity = 0.0371 bbls / ft

Tubing: 2 7/8" L-80 (estimated 263 jts) tied into a retrievable pkr w/ fluid on the backside. A SN is located one jt above the pkr.  
Capacity = 0.00579 bbls / ft

Packer: 7" x 2 7/8" ASI-X set at 8196'

Open perforations: 8221 – 8311' OA. A CIBP is currently set at 8323' over other perforations.

Wellbore diagram is attached for more detail along with a proposed wellbore diagram showing the placement of cement plugs.

Attached are the Baker Services cementing proposals for five (5) plugs.

**Procedure:**

1. Set 2 frac tanks. Fill one with 500 bbls of produced water. Fill the other with 220 bbls of fresh water for cement work.
2. RU safety individual to monitor H2S levels during the workover.

3. RU workover rig. Kill well with produced water. If the well has pressure on the tbg and casing, bleed off the pressure to the separator. If not possible, rig up a flare and flare off the sour gas.
4. ND tree and NU BOPE.
5. Turn tbg to the right and PU on tbg to release packer. If packer will not release, then cut tbg off 5' above the pkr and leave pkr in place. POOH w/ tbg and packer. Lay down any bad joints of tbg that would jeopardize the continuation of work. Replace with joints from the yard. **Note: At time of this revision the packer was released but became stuck at 7600'. Plan to cut off tbg above the packer and proceed with the plugging operation. Will run a casing scraper in the well once tbg is pulled.**
6. MU a 7" mechanical set cement retainer. TIH and set either just above the tbg cutoff at approximately 7580' +/-.
7. RU Baker Services. Pump Plug #1. Pump a 10 bbl fresh water spacer followed by 270 sacks of 16.1 ppg Class G cement with a density of 1.11 cf/sk. Sting out of retainer and spot a 50' cement plug (11 sacks) on top of the retainer. PU above cement and displace tbg with 47 bbls of fresh water.
8. LD tbg to 4800'. Fill hole w/ produced water.
9. Using Baker Services, pump Plug #2 from 4800 – 4600'. Pump a 10 bbl fresh water spacer followed by 38 sacks Class G cement, 16.1 ppg, 1.11 cf/sk density. Top of cement plug should be at 4600'. PU out of cement and displace tbg with 30 bbls fresh water.
10. LD 77 jts of tbg and POOH w/ tbg.
11. RU Cutters Wireline. RIH w/ gauge ring and tag top of plug #2. RIH and shoot 4 squeeze holes at 2700'. RD wireline services.
12. Open annulus valves and establish injection down casing and into the annulus. RIH w/ tbg to 2700'.
13. RU Baker Services, perform a balanced block squeeze for Plug #3 from 2700 -2450' inside and outside of the csg using a 10 bbl fresh water spacer followed w/ 100 sacks of 14.6 ppg Type III Neat cement with a 1.37 cf/sk density. PU tbg to above the cement and displace tbg with 15 bbls fresh water. **Note: pumping 100 sacks may raise cement to higher than 2450'.**

14. LD tbg to 750'. POOH w/ tbg. RU Cutters Wireline. RIH and tag top of plug #3. RIH and perforate with 4 deep penetration shots to perforate both the 7" and 9 5/8" casing. Establish circulation down the 7" and up the 7" x 9 5/8" annulus. Then shut in the 9 5/8" valve and attempt to circulate down the 7" and up the 9 5/8" x 13 3/8" annulus.
15. Using Baker Services, Pump Plug #4 as follows:
  - 1) If circulation cannot be established into the 9 5/8" x 13 3/8" annulus, mix 61 sacks of Type III cement, 14.6 ppg with a 1.37 cf/sk density. Pump 10 bbls fresh water spacer followed by 36 sacks cement. Sting out of the retainer and dump 25 sacks on top of the retainer. Displace tbg with 6 bbls fresh water and LD all but 100' of tbg.
  - 2) If circulation can be established into the 9 5/8" x 13 3/8" annulus, mix 131 sacks of Type III cement, 14.6 ppg with a 1.37 cf/sk density. Pump 10 bbls fresh water spacer followed by 106 sacks of cement. Sting out of the retainer and dump 25 sacks on top of the retainer. Displace tbg with 6 bbls fresh water and LD all tbg.
16. RU Cutters Wireline. RIH and perforate with 4 deep penetration shots to perforate both the 7" and 9 5/8" casing at 100'.
17. Establish circulation down 7" and out the 9 5/8" annulus. Close the annulus valve and attempt to establish circulation out the 13 3/8".
18. Using Baker Services, pump the top 100' plug filling all annuluses using 10 bbl fresh water spacer followed by 56 sacks of Type III cement, 14.6 ppg with a 1.37 cf/sk density. LD tbg. RD Baker Services.
19. ND BOPE. Cut off wellhead 3' below ground level. Weld on a cap showing the P&A date, well name, API #, and legal coordinates.
20. Fill cellar, move wellhead equipment to the yard and clean location. The tbg string and frac tanks move to the Lisbon B-616 for P&A work there.
21. Turn well over to field personnel to remove junk piping and rehab the well site. Currently there is no production equipment to be removed.

**PROPOSED WELL BORE DIAGRAM**

**PROPOSED P&A**

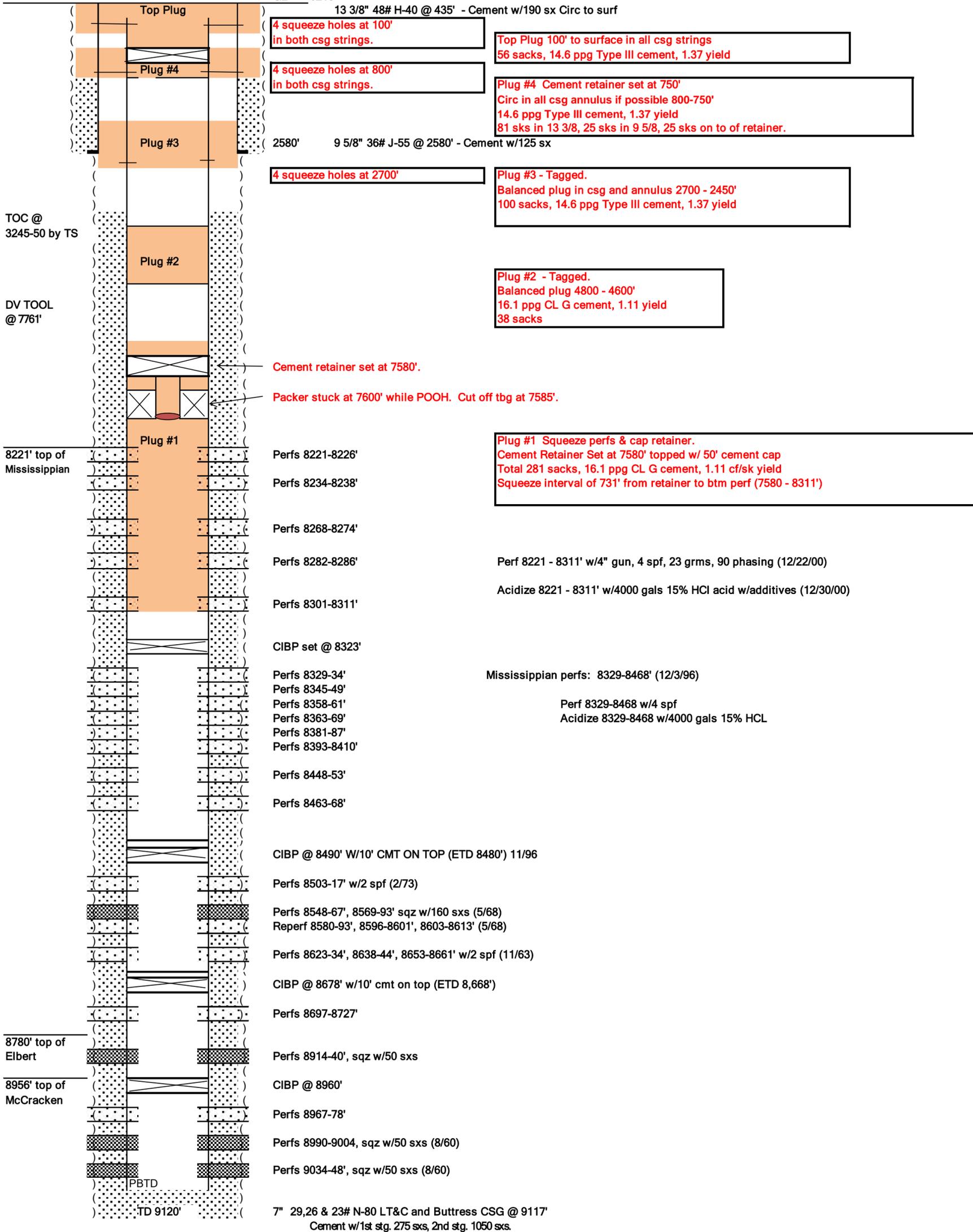
660' FNL & 660' FEL  
API # 4303715123

Company: CCI Paradox Upstream, LLC  
Lease Name: LISBON (MISS) UNIT  
Lease Number: D-616  
Location: NENE Sec 16-T30S-R24E  
County: SAN JUAN COUNTY, UTAH  
Date: 2/12/2001  
*3/27/2015 John Warren*

KB ' 6229'

Spud Date 4/10/60  
Recompletion Date 12/21/00

GL 6218'





Proposal No: 1001176966B

**CASTLETON COMMODITIES INTERNATIONAL**  
Lisbon D-616

March 27, 2015

**Well Proposal**

**Prepared for:**

John B. Warren  
Vice President of Operations  
CCI Paradox Upstream, LLC.  
Bus Phone: 303-728-2226

**Prepared by:**

BRYAN J KANG  
District Engineer

Yunmiao Liang  
Field Engineer

**Service Point:**

PP, FARMINGTON  
Bus Phone: 505-3276222  
Fax: 505-327-5766

**Service Representatives:**

JASON THOMAS  
Sales Representative

Powered by  
**PowerVision**



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**TITLE:** Bid Proposal  
**TO:** CCI Paradox Upstream, LLC.  
**SUBJECT:** Plug & Abandon  
**DATE:** 3/27/2015

John B. Warren

Thank you for choosing Baker Hughes Incorporated for your cementing operations. This package contains the following information regarding the cement job you've requested:

- Basis of Design Provided by Customer
- Basis of Design Assumed
- Proposal for Design and Pricing
- Previous Test Results on Cement Design

The cement tests that will be run for this job is listed below. Please request additional tests if you would like to see them.

- Rheology Testing
- Consistometer Gel Strength
- Fluid Loss Rate
- Free Fluid Testing

Please review the information in this package carefully and relate any questions or concerns. We look forward to working with you and providing you the best service possible.

**Thank you!**



## Basis of Design

Listed below are the design criteria used to determine the slurry design. It lists the information that was provided and the information that was assumed. Please let us know if the information that was assumed is incorrect so we can update the proposal and adjust the cement design as needed.

Basis of Design Provided	Basis of Design Assumed
<ul style="list-style-type: none"> <li>• <b>Surface Casing</b> <ul style="list-style-type: none"> <li>○ <b>Casing Info</b> - 9.625 inch O.D. - 36 lbs/ft</li> <li>○ <b>Depth</b> - 2580 ft</li> </ul> </li>   <li>• <b>Long String Casing</b> <ul style="list-style-type: none"> <li>○ <b>Hole Size</b> - 8.921 inches (Assumed)</li> <li>○ <b>Casing Info</b> - 7 inch O.D. - 29 lbs/ft (Assumed)</li> <li>○ <b>Casing Depth</b> - 9117 ft</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>Spacer System</b> <ul style="list-style-type: none"> <li>○ <b>Water based mud</b> for all stages</li> <li>○ Assumed 9.0 ppg mud system</li> </ul> </li>   <li>• <b>Temperature</b> <ul style="list-style-type: none"> <li>○ Assumed surface temperature gradient was 0.8 F/100 feet and increased + 0.1 F/ 100 feet per every 1000 feet of depth.</li> </ul> </li> </ul>



## Proposal Overview

This is a compressed version of the proposal with a brief overview of the cement procedure and cement design. It contains the cement slurry design, the volumes of each stage and any other design parameters.

<b>Plug 1</b>	
<p><b><u>Spacer System</u></b></p> <ul style="list-style-type: none"> <li>○ <b>Fresh Water</b> <ul style="list-style-type: none"> <li>• 8.34 <i>ppg</i></li> <li>• 10.00 <i>BBLS</i></li> </ul> </li> </ul>	<p><b><u>Lead Cement System</u></b></p> <ul style="list-style-type: none"> <li>○ <b>Class G</b> <ul style="list-style-type: none"> <li>• Cement Density - 16.10 <i>ppg</i></li> <li>• Cement Yield - 1.11 <i>cf/sk</i></li> <li>• Cement Volume - 281 <i>Sacks</i></li> <li style="padding-left: 20px;">- 56 <i>BBLS</i></li> <li>• Water Needed - 31 <i>BBLS</i></li> <li>• Additives                             <ul style="list-style-type: none"> <li>○ 0.1 % - FL-52</li> <li>○ 0.3 % - R-3</li> <li>○ 0.1 % - CD-32</li> </ul> </li> </ul> </li> </ul>



## Proposal Overview Continued

<b>Plug 2</b>	
<p><b>Spacer System</b></p> <ul style="list-style-type: none"> <li>○ <i>Fresh Water</i> <ul style="list-style-type: none"> <li>• 8.34 <i>ppg</i></li> <li>• 10.00 <i>BBLs</i></li> </ul> </li> </ul>	<p><b>Lead Cement System</b></p> <ul style="list-style-type: none"> <li>○ <i>Class G</i> <ul style="list-style-type: none"> <li>• Cement Density - 16.10 <i>ppg</i></li> <li>• Cement Yield - 1.11 <i>cf/sk</i></li> <li>• Cement Volume - 38 <i>Sacks</i></li> <li style="padding-left: 40px;">- 8 <i>BBLs</i></li> <li>• Water Needed - 4 <i>BBLs</i></li> <li>• Additives                             <ul style="list-style-type: none"> <li>○ 0.1 % - FL-52</li> <li>○ 0.3 % - R-3</li> <li>○ 0.1 % - CD-32</li> </ul> </li> </ul> </li> </ul>



## Proposal Overview Continued

Plug 3	
<b>Spacer System</b> <ul style="list-style-type: none"><li>○ <i>Fresh Water</i><ul style="list-style-type: none"><li>• 8.34 <i>ppg</i></li><li>• 10.00 <i>BBLs</i></li></ul></li></ul>	<b>Lead Cement System</b> <ul style="list-style-type: none"><li>○ <i>Type III</i><ul style="list-style-type: none"><li>• Cement Density - 14.60 <i>ppg</i></li><li>• Cement Yield - 1.37 <i>cf/sk</i></li><li>• Cement Volume - 100 <i>Sacks</i><ul style="list-style-type: none"><li>- 24 <i>BBLs</i></li></ul></li><li>• Water Needed - 16 <i>BBLs</i></li></ul></li></ul>



## Proposal Overview Continued

### Plug 4 (No Circ)

#### Spacer System

- *Fresh Water*
  - 8.34 *ppg*
  - 10.00 *BBLs*

#### Lead Cement System

- *Type III*
  - Cement Density - 14.60 *ppg*
  - Cement Yield - 1.37 *cf/sk*
  - Cement Volume - 61 *Sacks*
  - 15 *BBLs*
  - Water Needed - 10 *BBLs*



## Proposal Overview Continued

Plug 4	
<b>Spacer System</b> <ul style="list-style-type: none"><li>○ <i>Fresh Water</i><ul style="list-style-type: none"><li>• 8.34 <i>ppg</i></li><li>• 10.00 <i>BBLs</i></li></ul></li></ul>	<b>Lead Cement System</b> <ul style="list-style-type: none"><li>○ <i>Type III</i><ul style="list-style-type: none"><li>• Cement Density - 14.60 <i>ppg</i></li><li>• Cement Yield - 1.37 <i>cf/sk</i></li><li>• Cement Volume - 131 <i>Sacks</i></li><li>- 32 <i>BBLs</i></li><li>• Water Needed - 21 <i>BBLs</i></li></ul></li></ul>



## Proposal Overview Continued

Plug 5	
<b>Spacer System</b> <ul style="list-style-type: none"><li>○ <i>Fresh Water</i><ul style="list-style-type: none"><li>• 8.34 <i>ppg</i></li><li>• 10.00 <i>BBLs</i></li></ul></li></ul>	<b>Lead Cement System</b> <ul style="list-style-type: none"><li>○ <i>Type III</i><ul style="list-style-type: none"><li>• Cement Density - 14.60 <i>ppg</i></li><li>• Cement Yield - 1.37 <i>cf/sk</i></li><li>• Cement Volume - 56 <i>Sacks</i></li><li>- 14 <i>BBLs</i></li><li>• Water Needed - 9 <i>BBLs</i></li></ul></li></ul>

**Operator Name:** CASTLETON COMMODITIES INTERNATIONAL  
**Well Name:** Lisbon D-616  
**Job Description:** First Day: Plug 1, 2  
**Date:** March 27, 2015



**Proposal No:** 1001176966B

**JOB AT A GLANCE**

**Casing Size/Weight** 7 in, 29 lbs/ft

**Pump Via** Tubing 2 7/8" O.D. (2.469" .I.D) 5.9

**Total Mix Water Required** 1,480 gals

**Plug No: 1**

**Spacer**

**Fresh Water** 10 bbls  
**Density** 8.3 ppg

**Plug Slurry**

**Class G** 281 sacks  
**Density** 16.1 ppg  
**Yield** 1.11 cf/sack

**Displacement**

**Fresh Water** 48 bbls  
**Density** 8.3 ppg

**Plug No: 2**

**Spacer**

**Fresh Water** 10 bbls  
**Density** 8.3 ppg

**Plug Slurry**

**Class G** 38 sacks  
**Density** 16.1 ppg  
**Yield** 1.11 cf/sack

**Displacement**

**Fresh Water** 30 bbls  
**Density** 8.3 ppg

**Operator Name:** CASTLETON COMMODITIES INTERNATIONAL  
**Well Name:** Lisbon D-616  
**Job Description:** First Day: Plug 1, 2  
**Date:** March 27, 2015



**Proposal No:** 1001176966B

### FLUID SPECIFICATIONS

Spacer				= 10.0 bbls Fresh Water @ 8.34 ppg
	<b>PLUG NO.</b>	<b>VOLUME CU-FT</b>	<b>VOLUME FACTOR</b>	<b>AMOUNT AND TYPE OF CEMENT</b>
	1	311	/ 1.11	= 281 sacks Class G Cement + 0.1% bwoc CD-32 + 0.1% bwoc FL-52 + 0.3% bwoc R-3 + 41.2% Fresh Water
Displacement				= 48.5 bbls Fresh Water @ 8.34 ppg
Spacer				= 10.0 bbls Fresh Water @ 8.34 ppg
	2	42	/ 1.11	= 38 sacks Class G Cement + 0.3% bwoc R-3 + 0.1% bwoc CD-32 + 0.1% bwoc FL-52 + 41.2% Fresh Water
Displacement				= 30.1 bbls Fresh Water @ 8.34 ppg

### **CEMENT PROPERTIES**

	<b>PLUG NO.1</b>	<b>PLUG NO.2</b>
Slurry Weight (ppg)	16.10	16.10
Slurry Yield (cf/sack)	1.11	1.11
Amount of Mix Water (gps)	4.64	4.64

### PLUG GEOMETRY

	<b>PLUG TOP</b>		<b>PLUG BOTTOM</b>	
1	8185 ft	to	8311 ft	with 6.184 inch ID Casing
2	4600 ft	to	4800 ft	with 6.184 inch ID Casing

Operator: CASTLETON COMMODITIES INTERNATIONAL  
 Well Name: Lisbon D-616  
 Job Description: First Day: Plug 1, 2  
 Date: March 27, 2015



Proposal No: 1001176966B

**PRICE ESTIMATE****Product Material**

QTY	UNIT	PRODUCT DESCRIPTION	UNIT PRICE	GROSS AMOUNT	DISC (%)	NET AMOUNT
90	lbs	R-3	3.84	345.60	70.0	103.68
30	lbs	CD-32	13.30	399.00	70.0	119.70
30	lbs	FL-52	26.90	807.00	70.0	242.10
319	94lbs	Class G Cement	40.80	13,015.20	70.0	3,904.56
Product Material Subtotal:				\$14,566.80		\$4,370.04

**Service Charges**

QTY	UNIT	PRODUCT DESCRIPTION	UNIT PRICE	GROSS AMOUNT	DISC (%)	NET AMOUNT
1	ea	Personnel Per Diem Chrg - Cement Svc	210.00	210.00	0.0	210.00
324	cu ft	Bulk Materials Blending Charge	5.45	1,765.80	70.0	529.74
1	job	Automatic Density System	1,990.00	1,990.00	70.0	597.00
Service Charges Subtotal:				\$3,965.80		\$1,336.74

**Equipment**

QTY	UNIT	PRODUCT DESCRIPTION	UNIT PRICE	GROSS AMOUNT	DISC (%)	NET AMOUNT
1	6hrs	Cement Pumping, 8001 - 9000 ft	10,950.00	10,950.00	70.0	3,285.00
1	pump/hr	Fuel per pump charge - cement	70.25	70.25	0.0	70.25
1	job	Radio Communications	319.00	319.00	70.0	95.70
1	job	Data Acquisition, Cement, Standard	2,130.00	2,130.00	70.0	639.00
140	miles	Mileage, Heavy Vehicle	11.85	1,659.00	70.0	497.70
140	miles	Mileage, Auto, Pick-Up or Treating Van	6.70	938.00	70.0	281.40
Equipment Subtotal:				\$16,066.25		\$4,869.05

Customer will be charged for all 'SPECIAL PROPPANTS' delivered to location, whether they are pumped or not. All proppants other than standard grade frac sand are considered 'SPECIAL PROPPANTS'.

The technical data contained in this proposal is based on the best information available at the time of writing and is subject to further analysis and testing. The pricing data contained in this proposal are estimates only and may vary depending on the work actually performed. Pricing does not include federal, state and local taxes or royalties.

This quotation is based on Baker Hughes being awarded the work on a first call basis and within thirty (30) days of the proposal date. These prices will be subject to review if the work is done after thirty (30) days from the proposal date, or on a second or third call basis.

Operator: CASTLETON COMMODITIES INTERNATIONAL  
 Well Name: Lisbon D-616  
 Job Description: First Day: Plug 1, 2  
 Date: March 27, 2015



Proposal No: 1001176966B

**PRICE ESTIMATE****Freight/Delivery Charges**

QTY	UNIT	PRODUCT DESCRIPTION	UNIT PRICE	GROSS AMOUNT	DISC (%)	NET AMOUNT
1055	tonmi	Bulk Delivery, Dry Products	3.94	4,156.70	70.0	1,247.01
Freight/Delivery Charges Subtotal:				\$4,156.70		\$1,247.01
<b>TOTAL:</b>				<b>\$38,755.55</b>		<b>\$11,822.84</b>

Customer will be charged for all 'SPECIAL PROPPANTS' delivered to location, whether they are pumped or not. All proppants other than standard grade frac sand are considered 'SPECIAL PROPPANTS'.

The technical data contained in this proposal is based on the best information available at the time of writing and is subject to further analysis and testing. The pricing data contained in this proposal are estimates only and may vary depending on the work actually performed. Pricing does not include federal, state and local taxes or royalties.

This quotation is based on Baker Hughes being awarded the work on a first call basis and within thirty (30) days of the proposal date. These prices will be subject to review if the work is done after thirty (30) days from the proposal date, or on a second or third call basis.

**Operator Name:** CASTLETON COMMODITIES INTERNATIONAL  
**Well Name:** Lisbon D-616  
**Job Description:** Second Day: Plug 3 , 4 and 5 (No Circ)  
**Date:** March 27, 2015



**Proposal No:** 1001176966B

**JOB AT A GLANCE**

<b>Depth (TVD)</b>	2,800 ft
<b>Depth (MD)</b>	2,800 ft
<b>Hole Size</b>	8.921 in
<b>Casing Size/Weight</b>	7 in, 29 lbs/ft
<b>Pump Via</b>	Tubing 2 7/8" O.D. (2.469" I.D) 5.9
<b>Total Mix Water Required</b>	1,442 gals

**Plug No: 1**

**Spacer**

<b>Fresh Water</b>	10 bbls
<b>Density</b>	8.3 ppg

**Plug Slurry**

<b>Type III Neat</b>	100 sacks
<b>Density</b>	14.6 ppg
<b>Yield</b>	1.37 cf/sack

**Displacement**

<b>Fresh Water</b>	15 bbls
<b>Density</b>	8.3 ppg

**Plug No: 2**

**Spacer**

<b>Fresh Water</b>	10 bbls
<b>Density</b>	8.3 ppg

**Plug Slurry**

<b>Type III</b>	61 sacks
<b>Density</b>	14.6 ppg
<b>Yield</b>	1.37 cf/sack

**Displacement**

<b>Fresh Water</b>	6 bbls
<b>Density</b>	8.3 ppg

**Operator Name:** CASTLETON COMMODITIES INTERNATIONAL  
**Well Name:** Lisbon D-616  
**Job Description:** Second Day: Plug 3 , 4 and 5 (No Circ)  
**Date:** March 27, 2015



**Proposal No:** 1001176966B

**JOB AT A GLANCE (Continued)**

**Plug No:** 3

**Spacer**

<b>Fresh Water</b>	10 bbls
<b>Density</b>	8.3 ppg

**Plug Slurry**

<b>Type III Neat</b>	56 sacks
<b>Density</b>	14.6 ppg
<b>Yield</b>	1.37 cf/sack

**Operator Name:** CASTLETON COMMODITIES INTERNATIONAL  
**Well Name:** Lisbon D-616  
**Job Description:** Second Day: Plug 3 , 4 and 5 (No Circ)  
**Date:** March 27, 2015



**Proposal No:** 1001176966B

### FLUID SPECIFICATIONS

Spacer = 10.0 bbls Fresh Water @ 8.34 ppg

<u>PLUG NO.</u>	<u>VOLUME CU-FT</u>		<u>VOLUME FACTOR</u>	<u>AMOUNT AND TYPE OF CEMENT</u>
1	137	/	1.37	= 100 sacks Type III Cement
Displacement				= 14.5 bbls Fresh Water @ 8.34 ppg
Spacer				= 10.0 bbls Fresh Water @ 8.34 ppg
2	83	/	1.37	= 61 sacks Type III Cement
Displacement				= 5.9 bbls Fresh Water @ 8.34 ppg
Spacer				= 10.0 bbls Fresh Water @ 8.34 ppg
3	77	/	1.37	= 56 sacks Type III Cement

### CEMENT PROPERTIES

	<u>PLUG NO.1</u>	<u>PLUG NO.2</u>	<u>PLUG NO.3</u>
Slurry Weight (ppg)	14.60	14.60	14.60
Slurry Yield (cf/sack)	1.37	1.37	1.37
Amount of Mix Water (gps)	6.64	6.64	6.64

### PLUG GEOMETRY

	<u>PLUG TOP</u>		<u>PLUG BOTTOM</u>	
1	2450 ft	to	2700 ft	with 6.184 inch ID Casing
2	1000 ft	to	1100 ft	with 6.184 inch ID Casing
3	0 ft	to	50 ft	with 6.184 inch ID Casing

Operator: CASTLETON COMMODITIES INTERNATIONAL  
 Well Name: Lisbon D-616  
 Job Description: Second Day: Plug 3 , 4 and 5 (No Circ)  
 Date: March 27, 2015



Proposal No: 1001176966B

**PRICE ESTIMATE****Product Material**

QTY	UNIT	PRODUCT DESCRIPTION	UNIT PRICE	GROSS AMOUNT	DISC (%)	NET AMOUNT
217	94lbs	Type III Cement	39.60	8,593.20	70.0	2,577.96
Product Material Subtotal:				\$8,593.20		\$2,577.96

**Service Charges**

QTY	UNIT	PRODUCT DESCRIPTION	UNIT PRICE	GROSS AMOUNT	DISC (%)	NET AMOUNT
1	ea	Personnel Per Diem Chrg - Cement Svc	210.00	210.00	0.0	210.00
217	cu ft	Bulk Materials Blending Charge	5.45	1,182.65	70.0	354.80
1	job	Automatic Density System	1,990.00	1,990.00	70.0	597.00
Service Charges Subtotal:				\$3,382.65		\$1,161.80

**Equipment**

QTY	UNIT	PRODUCT DESCRIPTION	UNIT PRICE	GROSS AMOUNT	DISC (%)	NET AMOUNT
1	4hrs	Cement Pumping, 2001 - 3000 ft	5,250.00	5,250.00	70.0	1,575.00
1	pump/hr	Fuel per pump charge - cement	70.25	70.25	0.0	70.25
1	job	Radio Communications	319.00	319.00	70.0	95.70
1	job	Data Acquisition, Cement, Standard	2,130.00	2,130.00	70.0	639.00
140	miles	Mileage, Heavy Vehicle	11.85	1,659.00	70.0	497.70
140	miles	Mileage, Auto, Pick-Up or Treating Van	6.70	938.00	70.0	281.40
Equipment Subtotal:				\$10,366.25		\$3,159.05

**Freight/Delivery Charges**

QTY	UNIT	PRODUCT DESCRIPTION	UNIT PRICE	GROSS AMOUNT	DISC (%)	NET AMOUNT
714	tonmi	Bulk Delivery, Dry Products	3.94	2,813.16	70.0	843.95
Freight/Delivery Charges Subtotal:				\$2,813.16		\$843.95

<b>TOTAL:</b>	<b>\$25,155.26</b>	<b>\$7,742.76</b>
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Customer will be charged for all 'SPECIAL PROPPANTS' delivered to location, whether they are pumped or not. All proppants other than standard grade frac sand are considered 'SPECIAL PROPPANTS'. The technical data contained in this proposal is based on the best information available at the time of writing and is subject to further analysis and testing. The pricing data contained in this proposal are estimates only and may vary depending on the work actually performed. Pricing does not include federal, state and local taxes or royalties. This quotation is based on Baker Hughes being awarded the work on a first call basis and within thirty (30) days of the proposal date. These prices will be subject to review if the work is done after thirty (30) days from the proposal date, or on a second or third call basis.

**Operator Name:** CASTLETON COMMODITIES INTERNATIONAL  
**Well Name:** Lisbon D-616  
**Job Description:** Second Day: Plug 3 , 4 and 5  
**Date:** March 27, 2015



**Proposal No:** 1001176966B

**JOB AT A GLANCE**

<b>Depth (TVD)</b>	2,800 ft
<b>Depth (MD)</b>	2,800 ft
<b>Hole Size</b>	8.921 in
<b>Casing Size/Weight</b>	7 in, 29 lbs/ft
<b>Pump Via</b>	Tubing 2 7/8" O.D. (2.469" I.D) 5.9
<b>Total Mix Water Required</b>	1,907 gals

**Plug No: 1**

**Spacer**

<b>Fresh Water</b>	10 bbls
<b>Density</b>	8.3 ppg

**Plug Slurry**

<b>Type III Neat</b>	100 sacks
<b>Density</b>	14.6 ppg
<b>Yield</b>	1.37 cf/sack

**Displacement**

<b>Fresh Water</b>	15 bbls
<b>Density</b>	8.3 ppg

**Plug No: 2**

**Spacer**

<b>Fresh Water</b>	10 bbls
<b>Density</b>	8.3 ppg

**Plug Slurry**

<b>Type III Neat</b>	131 sacks
<b>Density</b>	14.6 ppg
<b>Yield</b>	1.37 cf/sack

**Displacement**

<b>Fresh Water</b>	6 bbls
<b>Density</b>	8.3 ppg

**Operator Name:** CASTLETON COMMODITIES INTERNATIONAL  
**Well Name:** Lisbon D-616  
**Job Description:** Second Day: Plug 3 , 4 and 5  
**Date:** March 27, 2015



**Proposal No:** 1001176966B

**JOB AT A GLANCE (Continued)**

**Plug No:** 3

**Spacer**

<b>Fresh Water</b>	10 bbls
<b>Density</b>	8.3 ppg

**Plug Slurry**

<b>Type III Neat</b>	56 sacks
<b>Density</b>	14.6 ppg
<b>Yield</b>	1.37 cf/sack

**Operator Name:** CASTLETON COMMODITIES INTERNATIONAL  
**Well Name:** Lisbon D-616  
**Job Description:** Second Day: Plug 3 , 4 and 5  
**Date:** March 27, 2015



**Proposal No:** 1001176966B

### FLUID SPECIFICATIONS

Spacer = 10.0 bbls Fresh Water @ 8.34 ppg

<u>PLUG NO.</u>	<u>VOLUME CU-FT</u>		<u>VOLUME FACTOR</u>	<u>AMOUNT AND TYPE OF CEMENT</u>
1	137	/	1.37	= 100 sacks Type III Cement

Displacement = 14.5 bbls Fresh Water @ 8.34 ppg

Spacer = 10.0 bbls Fresh Water @ 8.34 ppg

2 179 / 1.37 = 131 sacks Type III Cement

Displacement = 5.9 bbls Fresh Water @ 8.34 ppg

Spacer = 10.0 bbls Fresh Water @ 8.34 ppg

3 77 / 1.37 = 56 sacks Type III Cement

### **CEMENT PROPERTIES**

	<b>PLUG NO.1</b>	<b>PLUG NO.2</b>	<b>PLUG NO.3</b>
Slurry Weight (ppg)	14.60	14.60	14.60
Slurry Yield (cf/sack)	1.37	1.37	1.37
Amount of Mix Water (gps)	6.64	6.64	6.64

### PLUG GEOMETRY

	<b>PLUG TOP</b>		<b>PLUG BOTTOM</b>	
1	2450 ft	to	2700 ft	with 6.184 inch ID Casing
2	1000 ft	to	1100 ft	with 6.184 inch ID Casing
3	0 ft	to	50 ft	with 6.184 inch ID Casing

Operator: CASTLETON COMMODITIES INTERNATIONAL  
 Well Name: Lisbon D-616  
 Job Description: Second Day: Plug 3 , 4 and 5  
 Date: March 27, 2015



Proposal No: 1001176966B

**PRICE ESTIMATE****Product Material**

QTY	UNIT	PRODUCT DESCRIPTION	UNIT PRICE	GROSS AMOUNT	DISC (%)	NET AMOUNT
287	94lbs	Type III Cement	39.60	11,365.20	70.0	3,409.56
Product Material Subtotal:				\$11,365.20		\$3,409.56

**Service Charges**

QTY	UNIT	PRODUCT DESCRIPTION	UNIT PRICE	GROSS AMOUNT	DISC (%)	NET AMOUNT
1	ea	Personnel Per Diem Chrg - Cement Svc	210.00	210.00	0.0	210.00
287	cu ft	Bulk Materials Blending Charge	5.45	1,564.15	70.0	469.25
1	job	Automatic Density System	1,990.00	1,990.00	70.0	597.00
Service Charges Subtotal:				\$3,764.15		\$1,276.25

**Equipment**

QTY	UNIT	PRODUCT DESCRIPTION	UNIT PRICE	GROSS AMOUNT	DISC (%)	NET AMOUNT
1	4hrs	Cement Pumping, 2001 - 3000 ft	5,250.00	5,250.00	70.0	1,575.00
1	pump/hr	Fuel per pump charge - cement	70.25	70.25	0.0	70.25
1	job	Radio Communications	319.00	319.00	70.0	95.70
1	job	Data Acquisition, Cement, Standard	2,130.00	2,130.00	70.0	639.00
140	miles	Mileage, Heavy Vehicle	11.85	1,659.00	70.0	497.70
140	miles	Mileage, Auto, Pick-Up or Treating Van	6.70	938.00	70.0	281.40
Equipment Subtotal:				\$10,366.25		\$3,159.05

**Freight/Delivery Charges**

QTY	UNIT	PRODUCT DESCRIPTION	UNIT PRICE	GROSS AMOUNT	DISC (%)	NET AMOUNT
944	tonmi	Bulk Delivery, Dry Products	3.94	3,719.36	70.0	1,115.81
Freight/Delivery Charges Subtotal:				\$3,719.36		\$1,115.81

<b>TOTAL:</b>	<b>\$29,214.96</b>	<b>\$8,960.67</b>
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Customer will be charged for all 'SPECIAL PROPPANTS' delivered to location, whether they are pumped or not. All proppants other than standard grade frac sand are considered 'SPECIAL PROPPANTS'.  
 The technical data contained in this proposal is based on the best information available at the time of writing and is subject to further analysis and testing. The pricing data contained in this proposal are estimates only and may vary depending on the work actually performed. Pricing does not include federal, state and local taxes or royalties.  
 This quotation is based on Baker Hughes being awarded the work on a first call basis and within thirty (30) days of the proposal date. These prices will be subject to review if the work is done after thirty (30) days from the proposal date, or on a second or third call basis.



## CONDITIONS

**The services and products will be provided under the attached Baker Hughes Incorporated Worldwide Terms and Conditions. By requesting that Baker Hughes provide the services and products described herein, Customer accepts all of the terms and conditions of this proposal, including the attached Baker Hughes Incorporated Worldwide Terms and Conditions. In the event that Customer and Baker Hughes have executed a Master Services Agreement covering the services and products to be provided, such Master Services Agreement shall govern in place of the Baker Hughes Worldwide Terms and Conditions.**



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## Cementing Commercial Terms

- Fuel – Included in Pricing.
- The mileage is based on an estimate. The actual mileage will be charged and the pricing will change accordingly.
- Standby charges for equipment and personnel will be charged at \$360.00 per hour. Standby charges do not apply to equipment left on location overnight due to daylight operations.
- In the event of a "NPT" or "Non-Pump Time" (Time when cement progress is delayed) related to Baker Hughes, standby charges will be waived up to an amount equal to the total invoice for that Baker Hughes service line.
- Third party services supplied by Baker Hughes Pressure Pumping will be invoiced at documented cost plus 25%.
- 3<sup>rd</sup> Party Disclosure
  - Baker Hughes will not be responsible for any fluid properties when a 3rd party chemical is introduced through our equipment. Baker Hughes will not be responsible for the flow back of fluids returning after the frac treatment, concerning well performance, environmental impact, operational impact or the reporting of chemical composition. Any 3rd party products (non-Baker Hughes products) pumped through our equipment will be subject to the following commercial terms:
    - A charge of \$0.05/gal of the total treatment volume pumped containing 3rd party product
    - All lab supported testing will be as per the current price book
  - Any products or services not listed herein will be subject to a discount of 55% for equipment and services and a discount of 60% for products, based on the 2011 US Land Pressure Pumping price list. Proprietary Baker Hughes Pressure Pumping products are excluded from all discounts herein and will be QOR (quoted upon request).
  - In the event Baker Hughes Pressure Pumping is requested to provide miscellaneous items (water pumps, chemical storage, lighting, portable toilets, etc.) customer will be invoiced at documented cost plus 25%.
  - Once cement crew has arrived on location, if RTS (Ready to Service) and job commencement exceeds 4 hours, standby charges of \$360 per hour for equipment and personnel will apply until pumping is initiated.

**NOTE: THIS AGREEMENT CONTAINS PROVISIONS THAT INDEMNIFY AND/OR RELEASE THE INDEMNIFIED AND/OR RELEASED PARTY FROM THE CONSEQUENCES OF ITS OWN NEGLIGENCE AND OTHER LEGAL FAULT.**



**TERMS AND CONDITIONS**

**Worldwide**

Orders for rental equipment ("Equipment"), services ("Services"), and the supply or sale of products, chemicals, or equipment ("Products") to be provided by Baker Hughes Incorporated through its direct or indirect subsidiaries (in each case such subsidiary is referred to herein as "BHI") and shall be severally liable for all obligations of BHI herein arising from or related to the order) to its customers (each a "Customer") are subject to acceptance by BHI, and any orders so accepted will be governed by the terms and conditions stated herein and any additional terms proposed or agreed to in writing by an authorized representative of BHI (these terms and conditions and any such additional terms collectively referred to herein as the "Agreement").

**1. PAYMENT TERMS**

Unless alternate payment terms are specified or approved by the BHI Credit Department, all charges billed by BHI must be paid within thirty (30) days of the date of invoice. For invoices unpaid after thirty (30) days, at BHI's option, discounts from list price may be revoked and interest may be charged at the rate of ten percent (10%) per annum unless such rate contravenes local law in which case the interest will accrue at the maximum rate allowed by law. Operating, production or well conditions that prevent satisfactory operation of Equipment, Services or Products do not relieve Customer of its payment responsibility.

**2. CANCELLATION AND RETURNS**

**Products:** Orders for Products that are subject to cancellation after acceptance by BHI, but before delivery, will be subject to a restocking charge of at least twenty-five percent (25%), plus any packing and transportation costs incurred before delivery. Products specially built or manufactured to Customer specifications, or orders for substantial quantities manufactured specially for Customer, may not be cancelled.

Products may be returned for credit only with prior written authorization from BHI. Such Products must be unused, in reusable condition, and with original unopened containers. Credit will be issued for the quantity returned at the original purchase price, less a restocking charge of at least twenty-five percent (25%) and any actual packing and transportation costs incurred by BHI. No credit will be given for shipping charges incurred by Customer.

**Equipment/Services:** In the event Customer cancels an order for Services, Customer shall be liable for all costs incurred by BHI in the mobilization/demobilization related thereto, and any other reasonable costs incurred by BHI incident to such cancellation. In the event Customer cancels an order for Equipment, Customer shall be liable for any transportation costs incurred by BHI in the mobilization/demobilization of the Equipment. In addition, a restocking charge of at least twenty-five percent (25%) of the original Equipment order may be applied at BHI's sole discretion.

**3. THIRD-PARTY CHARGES, TAXES**

Customer shall pay all third-party charges, in compliance with BHI's current price list, and any sales, use, rental or other taxes that may be applicable to transactions hereunder. Customer shall pay all applicable customs, excise, import and other duties unless otherwise agreed to in writing by an authorized representative of BHI. Customer shall provide necessary import licenses and extensions thereof.

**4. RISK OF LOSS AND TITLE, CONSIGNMENT, STORAGE**

Unless otherwise agreed to in writing between BHI and Customer: (i) for Product sales within the United States of America, title and risk of loss shall pass to Customer as soon as the Products depart BHI's point of origin; and (ii) for Product sales outside the United States of America, INCOTERM 2010 "CPT" shall apply with the following exception: **TITLE AND RISK OF LOSS REMAIN WITH BHI UNTIL THE PRODUCTS REACH THE PORT OF ENTRY.** For Products provided on consignment, the risk of loss shall pass to Customer as soon as the Products depart BHI's point of origin; however, the title shall remain with BHI until the Product is used by Customer.

In the event BHI agrees to store Products after title passes to Customer, the risk of loss shall remain with Customer. If any such Products remain on BHI's premises for more than two (2) years from the date initially placed in storage, title shall revert back to BHI, and BHI may resell or scrap any such Products with no liability to Customer for any proceeds generated therefrom.

**5. LIABILITIES, RELEASES AND INDEMNIFICATION:**

A. In this Agreement (i) "BHI Indemnitees" means BHI, its parent, subsidiary and affiliated or related companies; its subcontractors at any tier; and the officers, directors, employees, consultants, and agents of all of the foregoing; (ii) "Claims" means all claims, demands, causes of action, liabilities, damages, judgments, fines, penalties, awards, losses, costs, expenses (including, without limitation, attorneys' fees and costs of litigation) of any kind or character arising out of, or related to, the performance of or subject matter of this Agreement; (iii) "Consequential Damages" means any indirect, special, punitive, exemplary or consequential damages or losses (whether foreseeable or not at the date of this Agreement) under applicable law and damages for lost production, lost revenue, lost product, lost profit, lost business, lost business opportunities, or charges for rig time, regardless of whether the same would be considered direct, indirect, special, punitive, exemplary or consequential damages or losses under applicable law; (iv) "Customer Indemnitees" means Customer, its parent, subsidiary and affiliated or related companies; its co-lessees, co-owners, partners, joint operators and joint venturers; its client or customer if it is not the end user of the Equipment, Services, or Products; its other contractors at any tier; and the officers, directors, employees, consultants, and agents of all of the foregoing; (v) "Cuttings and Waste" means any drill cuttings and associated muds, waste or materials from the well arising from or processed pursuant to this Agreement; and (vi) "Tools" means Equipment and any of BHI Indemnitees' instruments, equipment, or tools.

B. BHI SHALL RELEASE, INDEMNIFY, DEFEND AND HOLD CUSTOMER INDEMNITEES HARMLESS FROM AND AGAINST ANY AND ALL CLAIMS ARISING OUT OF OR RELATED TO (I) PERSONAL OR BODILY INJURY, ILLNESS, SICKNESS, DISEASE OR DEATH OF ANY MEMBER OF BHI INDEMNITEES, AND (II) LOSS, DAMAGE OR DESTRUCTION OF REAL OR PERSONAL PROPERTY, WHETHER OWNED, LEASED, OR CHARTERED, OF ANY MEMBER OF BHI INDEMNITEES.

C. CUSTOMER SHALL RELEASE, INDEMNIFY, DEFEND AND HOLD BHI INDEMNITEES HARMLESS FROM AND AGAINST ANY AND ALL CLAIMS ARISING OUT OF OR RELATED TO (I) PERSONAL OR BODILY INJURY, ILLNESS, SICKNESS, DISEASE OR DEATH OF ANY MEMBER OF CUSTOMER INDEMNITEES, AND (II) LOSS, DAMAGE OR DESTRUCTION OF REAL OR PERSONAL PROPERTY, WHETHER OWNED, LEASED, OR CHARTERED, OF ANY MEMBER OF CUSTOMER INDEMNITEES.

D. SHOULD TOOLS BECOME LOST OR DAMAGED IN THE WELL OR HOLE WHEN PERFORMING OR ATTEMPTING TO PERFORM THE SERVICES HEREUNDER, IT IS UNDERSTOOD THAT CUSTOMER SHALL MAKE EVERY EFFORT TO RECOVER THE LOST OR DAMAGED TOOLS AT ITS SOLE COST. CUSTOMER SHALL ASSUME THE ENTIRE RESPONSIBILITY FOR FISHING OPERATIONS IN THE RECOVERY OR ATTEMPTED RECOVERY OF ANY SUCH LOST OR DAMAGED TOOLS. NONE OF BHI'S EMPLOYEES ARE AUTHORIZED TO DO ANYTHING WHATSOEVER, NOR SHALL ANY OF BHI'S EMPLOYEES BE REQUIRED BY CUSTOMER TO DO ANYTHING, OTHER THAN CONSULT IN AN ADVISORY CAPACITY WITH CUSTOMER IN CONNECTION WITH SUCH FISHING OPERATIONS.

NOTWITHSTANDING PARAGRAPH B. ABOVE, SHOULD CUSTOMER FAIL TO RECOVER SUCH TOOLS LOST IN THE WELL, OR SHOULD SUCH TOOLS BECOME DAMAGED IN THE WELL, OR DAMAGED DURING RECOVERY, CUSTOMER SHALL REIMBURSE BHI FOR THE COST OF REPAIRING ANY TOOLS SO DAMAGED, OR THE REPLACEMENT VALUE OF ANY SUCH TOOLS THAT ARE LOST OR NOT REPAIRABLE.

FURTHER, NOTWITHSTANDING PARAGRAPH B. ABOVE, ALL RISKS ASSOCIATED WITH LOSS OF OR DAMAGE TO TOOLS WHILE IN THE CUSTODY OR CONTROL OF CUSTOMER OR DURING TRANSPORTATION ARRANGED BY OR CONTROLLED BY CUSTOMER, SHALL BE BORNE BY CUSTOMER.

E. NOTWITHSTANDING ANYTHING CONTAINED IN THIS AGREEMENT TO THE CONTRARY, CUSTOMER SHALL RELEASE, INDEMNIFY, DEFEND AND HOLD BHI INDEMNITEES HARMLESS FROM AND AGAINST ANY AND ALL CLAIMS ASSERTED BY OR IN FAVOR OF ANY PERSON, PARTY, OR ENTITY (INCLUDING BHI INDEMNITEES) ARISING OUT OF OR RELATED TO: (I) LOSS OF OR DAMAGE TO ANY WELL OR HOLE (INCLUDING BUT NOT LIMITED TO THE COSTS OF RE-DRILL AND SIDETRACK), (II) BLOWOUT, FIRE, EXPLOSION, CRATERING OR ANY UNCONTROLLED WELL CONDITION (INCLUDING BUT NOT LIMITED TO THE COSTS TO CONTROL A WILD WELL AND THE REMOVAL OF DEBRIS), (III) DAMAGE TO ANY RESERVOIR, GEOLOGICAL FORMATION OR UNDERGROUND STRATA OR THE LOSS OF OIL, WATER OR GAS THEREFROM, (IV) THE USE OF BHI INDEMNITEES' RADIOACTIVE TOOLS OR ANY CONTAMINATION RESULTING THEREFROM (INCLUDING BUT NOT LIMITED TO RETRIEVAL OR CONTAMINATION AND CLEAN-UP), (V) POLLUTION OR CONTAMINATION OF ANY KIND INCLUDING BUT NOT LIMITED TO THE COST OF CONTROL, REMOVAL, CLEAN-UP AND REMEDIATION, OR (VI) DAMAGE TO, OR ESCAPE OF ANY SUBSTANCE FROM, ANY PIPELINE, VESSEL, OR STORAGE OR PRODUCTION FACILITY.

F. CUSTOMER ACKNOWLEDGES THAT CUTTINGS AND WASTE REMAIN CUSTOMER'S RESPONSIBILITY. CUSTOMER SHALL RELEASE, INDEMNIFY, DEFEND AND HOLD BHI INDEMNITEES HARMLESS FROM AND AGAINST ANY AND ALL CLAIMS, ASSERTED BY OR IN FAVOR OF ANY PERSON OR ENTITY ARISING OUT OF OR RELATED TO THE TRANSPORTATION, STORAGE, TREATMENT, DISPOSAL OR HANDLING OF CUTTINGS AND WASTE, INCLUDING, WITHOUT LIMITATION, CONTAMINATION OF, OR ADVERSE EFFECTS ON THE ENVIRONMENT OR ANY FORM OF PROPERTY, OR ANY VIOLATION OR ALLEGED VIOLATION OF STATUTES, ORDINANCES, LAWS, ORDERS, RULES AND REGULATIONS (INCLUDING, WITHOUT LIMITATION, ALL CLAIMS UNDER THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT ("CERCLA"), 42 U.S.C. §§ 9601 ET SEQ., OR OTHER APPLICABLE STATUTES OR REGULATIONS).

G. CUSTOMER SHALL RELEASE, DEFEND, INDEMNIFY AND HOLD BHI INDEMNITEES HARMLESS FROM AND AGAINST ANY CLAIMS FOR CONSEQUENTIAL DAMAGES ASSERTED BY OR IN FAVOR OF ANY MEMBER OF CUSTOMER INDEMNITEES. BHI SHALL RELEASE, DEFEND, INDEMNIFY AND HOLD CUSTOMER INDEMNITEES HARMLESS FROM AND AGAINST ANY CLAIMS FOR CONSEQUENTIAL DAMAGES ASSERTED BY OR IN FAVOR OF ANY MEMBER OF BHI INDEMNITEES.

H. In the event this agreement is subject to the indemnity or release limitations in Chapter 127 of the Texas Civil Practices and Remedies Code (or any successor statute), and so long as such limitations are in force, each party covenants and agrees to support the mutual indemnity and release obligations contained in Paragraphs B. and C. above by carrying equal amounts of insurance (or qualified self-insurance) in an amount not less than U.S. \$5,000,000.00 for the benefit of the other party as indemnitee.

I. THE EXCLUSIONS OF LIABILITY, RELEASES AND INDEMNITIES SET FORTH IN PARAGRAPHS B. THROUGH G. OF THIS ARTICLE 5, AND ARTICLES 6 AND 10, SHALL APPLY TO ANY CLAIM(S) WITHOUT REGARD TO THE CAUSE(S) THEREOF INCLUDING BUT NOT LIMITED TO PRE-EXISTING CONDITIONS, WHETHER SUCH CONDITIONS BE PATENT OR LATENT, THE UNSEAWORTHINESS OF ANY VESSEL OR VESSELS, IMPERFECTION OF MATERIAL, DEFECT OR FAILURE OF PRODUCTS OR EQUIPMENT, BREACH OF REPRESENTATION OR WARRANTY (EXPRESS OR IMPLIED), ULTRAHAZARDOUS ACTIVITY, STRICT LIABILITY, TORT, BREACH OF CONTRACT, BREACH OF DUTY (STATUTORY OR OTHERWISE), BREACH OF ANY SAFETY REQUIREMENT OR REGULATION, OR THE NEGLIGENCE, GROSS NEGLIGENCE, WILLFUL MISCONDUCT, OR OTHER LEGAL FAULT OR RESPONSIBILITY OF ANY PERSON, PARTY, OR ENTITY (INCLUDING THE INDEMNIFIED OR RELEASED PARTY), WHETHER SUCH FORM OF NEGLIGENCE BE SOLE, JOINT OR CONCURRENT, ACTIVE OR PASSIVE.

J. REDRESS UNDER THE INDEMNITY PROVISIONS SET FORTH IN THIS ARTICLE 5 SHALL BE THE EXCLUSIVE REMEDIES AVAILABLE TO THE PARTIES HERETO FOR THE CLAIMS COVERED BY SUCH PROVISIONS.

**6. DIRECTIONAL DRILLING**

Customer shall furnish BHI with a well location plan (certified by Customer as correct) setting out the surface location of the well, the lease, license, or property boundary lines, and the bottom hole location of Customer's directionally drilled well. If, in the course of drilling the well, it becomes evident to BHI that the certified plan is in error, BHI shall notify Customer of the error, and Customer shall be responsible to regulate all directional drilling factors so that Customer's well bottom hole location will be situated on Customer's property, license, or leasehold at total depth of the well being drilled. CUSTOMER SHALL RELEASE, DEFEND, INDEMNIFY AND HOLD BHI INDEMNITEES HARMLESS FROM AND AGAINST ANY CLAIMS ARISING OUT OF, OR RELATED TO, SUBSURFACE TRESPASS ARISING OUT OF DIRECTIONAL DRILLING OPERATIONS OR OTHER OPERATIONS PERFORMED BY BHI INDEMNITEES OR CUSTOMER INDEMNITEES.

**7. CUSTOMER WARRANTY/BINDING AUTHORITY**

If Customer is not the sole owner of the mineral interests, the well or the field, Customer's request for Services, Equipment or Products shall constitute Customer's warranty that Customer is the duly constituted agent of each and every owner and has full authority to represent the interests of the same with respect to all decisions taken throughout the provision of any Services, Equipment or Products hereunder. CUSTOMER SHALL RELEASE, DEFEND, INDEMNIFY AND HOLD BHI INDEMNITEES HARMLESS FROM AND AGAINST ALL CLAIMS RESULTING FROM THE ALLEGATION BY ANY PERSON OR ENTITY THAT CUSTOMER HAS MISREPRESENTED OR LACKED SUFFICIENT AUTHORITY TO REPRESENT SUCH PERSON OR ENTITY AS WARRANTED BY CUSTOMER IN THIS ARTICLE.

**8. ACCESS TO WELL AND WELL SITE STORAGE**

With respect to onshore and offshore operations, Customer shall provide at its expense adequate means of transportation required for Tools, Products and BHI personnel to gain access to or return from a well site, and

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shall obtain at Customer's expense all permits, licenses or other authorization required for BHI to enter upon work areas for the purposes contemplated. When necessary to repair roads or bridges, or to provide transportation to move Tools, Products or BHI personnel, such shall be arranged and paid for by Customer.

Customer shall provide proper storage space at the well site, meeting all applicable safety and security requirements and consistent with good industry practices, for the Tools and Products, including, without limitation, all explosive and radioactive materials.

#### 9. RADIOACTIVE SOURCES

Radioactive sources which may be used in BHI's Services are potentially dangerous. Customer agrees to comply with all applicable governmental regulations governing the use and handling of radioactive sources. In the event a radioactive source becomes stuck in a well, Customer, at Customer's sole risk and expense will make a reasonable attempt to recover such radioactive source in accordance with 10 C.F.R. § 39.15(a)(1)-(4) or other applicable regulations and use special precautions to prevent damaging the source during recovery operations. If the source cannot be recovered, Customer, at Customer's sole risk and expense, will isolate the radioactive material by cementing it in place or by other means consistent with 10 C.F.R. § 39.15 or other applicable statutes or regulations.

#### 10. WARRANTY

**A. Services:** BHI warrants that the Services shall conform to the material aspects of the specifications agreed to in writing by BHI and Customer. In the event that the Services fail to conform to such specifications, BHI shall repair that part of the non-conforming Services, provided BHI is notified thereof in writing by Customer prior to BHI's departure from the work site.

**B. Equipment:** BHI warrants that the Equipment will be of the types specified by and agreed to in writing by BHI and Customer, and will be in good operating condition. Liability for loss or damage to Equipment is set forth in Article 5.

**C. Products:** (Excluding drill bits, electric submersible pumps and associated cable and surface equipment, specialty chemical Products and specialty Products): BHI warrants that the Products shall conform to BHI's published specifications or the specifications agreed to in writing by BHI and Customer. If any of the Products fail to conform to such specifications upon inspection by BHI, BHI, at its option, shall repair or replace the non-conforming Products with the type originally furnished or issue credit to the Customer, provided BHI is notified thereof in writing within thirty (30) days after delivery of the particular Products.

**D. Drill Bits:** BHI warrants that the drill bits to be provided by BHI pursuant to this Agreement shall conform to BHI's published specifications. If any of the drill bits fail to conform to such specifications upon inspection by BHI, BHI, at its option, shall repair or replace the non-conforming drill bits with the type originally furnished or issue credit to the Customer, provided BHI is notified thereof in writing within ninety (90) days from the date of shipment.

**E. Electric Submersible Pumps and Associated Cable and Surface Equipment:** BHI warrants that the electrical submersible pumps and associated cable and surface equipment to be provided by BHI pursuant to this Agreement shall conform to BHI's published specifications. If any of the electric submersible pumps or associated cable or surface equipment fail to conform with such specifications upon inspection by BHI, BHI, at its option, shall repair or replace the non-conforming electric submersible pumps or associated cable or surface equipment with the type originally furnished, provided BHI is notified thereof in writing within the earlier of twelve (12) months from the date of installation or eighteen (18) months from the date of shipment. Warranty claims by Customer must be submitted to BHI within sixty (60) days of the failure date of the electric submersible pumps or associated cable or surface equipment.

**F. Specialty Chemical Products:** BHI warrants that the specialty chemical Products to be provided by BHI pursuant to this Agreement shall, upon departure from BHI's point of origin, conform to the published physical and chemical specifications established by BHI for each such Product. If any of the specialty chemical Products fail to conform to such specifications, BHI, at its option, shall replace the non-conforming specialty chemical Products with the type originally furnished or issue credit to the Customer, provided BHI is notified thereof in writing within thirty (30) days after the specialty chemical Products depart BHI's point of origin.

**G. Specialty Products:** In the event BHI is to provide Products to Customer based upon Customer's specific request that BHI develop, manufacture, test or put to use Products that are intended to satisfy a unique need identified by Customer and are not "standard" Products of BHI, Customer hereby recognizes and agrees that the specialty Products being provided do not necessarily have or contain the same or similar characteristics as BHI's "standard" Products, including, but not limited to, a historical performance against which future performance can be measured. In developing, manufacturing, testing and putting to use any specialty Products, BHI will be relying upon information and specifications provided by Customer relating to the unique needs of Customer. As such, BHI shall have no responsibility for the design, manufacture or engineering of any such specialty Products, even though BHI may have participated in the development and manufacture of the specialty Products, or for any Customer-furnished materials, information and specifications. If, upon inspection by BHI, any of the specialty Products fail to meet the specifications agreed to in writing by Customer and BHI, then BHI shall, at its option, repair or replace the non-conforming specialty Products with (i) the type originally furnished to Customer, or (ii) substituted Products having BHI's "standard" specifications and qualifications.

**H. Discharge Services:** Except to the extent that BHI has agreed to provide its discharge compliance engineering services ("Discharge Services") to Customer pursuant to this Agreement, BHI shall have no responsibility for achievement of and compliance with any specific oil retention or similar requirements mandated by any applicable local, state or federal law or regulation. If Discharge Services are rendered by BHI and agreed oil retention or similar requirements are not met, then BHI shall, at its option, re-perform the Discharge Services, or provide a credit to Customer to cover any documented additional disposal costs incurred by Customer as a result of the nonconforming Discharge Services, provided that such credit shall be limited to 3% of the amount charged for the nonconforming Discharge Services.

BHI's warranty obligations hereunder are non-transferrable and shall not apply if the non-conformity was caused by (i) Customer's failure to properly store or maintain the Products or Equipment, (ii) abnormal well conditions, abrasive materials, corrosion due to aggressive fluids or incorrect specifications provided by Customer, (iii) unauthorized alteration or repair of the Products or Equipment, (iv) the Products or Equipment are lost or damaged while on Customer's site due to Customer's or any third party's negligence, vandalism or force majeure (including, but not limited to, lightning), or (v) use or handling of the Products or Equipment by Customer in a manner inconsistent with BHI's recommendations. Further, BHI's warranty obligations shall terminate if Customer fails to perform its obligations under this or any other Agreement between the parties.

All non-conforming Products shall be delivered to the service facility designated by BHI. All transportation charges and removal and reinstallation charges related to the repair or replacement of non-conforming Products shall be borne by Customer. Any parts for which BHI provides replacement under this warranty shall become the property of BHI. With regard to materials or equipment furnished by third party vendors and/or suppliers, BHI's liability therefor shall be limited to the assignment of such third party vendor's or supplier's warranty to Customer, to the extent such warranties are assignable. The warranty period for any repaired or replaced Products shall be only for the remainder of the original warranty period.

Interpretations, research, analysis, recommendations, advice or interpretational data (specifically including, without limitation, any preliminary cuttings reinjection program and any engineering designs, geological studies or analyses, well programs, reservoir models, or drilling production optimization or management programs) ("Interpretations and/or Recommendations") furnished by BHI hereunder are opinions based upon inferences from measurements, empirical relationships and assumptions, and industry practice, which inferences, assumptions and practices are not infallible, and with respect to which professional geologists, engineers, drilling consultants, and analysts may differ. Accordingly, BHI does not warrant the accuracy, correctness, or completeness of any such Interpretations and/or Recommendations, or that Customer's reliance on any third party's reliance on such Interpretations and/or Recommendations will accomplish any particular results. CUSTOMER ASSUMES FULL RESPONSIBILITY FOR THE USE OF SUCH INTERPRETATIONS AND/OR RECOMMENDATIONS AND FOR ALL DECISIONS BASED THEREON (INCLUDING, WITHOUT LIMITATION, DECISIONS BASED ON ANY OIL AND GAS EVALUATIONS,

Rev. 1 January 2012

PRODUCTION FORECASTS AND RESERVE ESTIMATES, FURNISHED BY BHI TO CUSTOMER HEREUNDER), AND CUSTOMER HEREBY AGREES TO RELEASE, DEFEND, INDEMNIFY AND HOLD BHI INDEMNITEES HARMLESS FROM ANY CLAIMS ARISING OUT OF THE USE OF SUCH INTERPRETATIONS AND/OR RECOMMENDATIONS.

BHI will endeavor to transmit data to Customer as accurately and securely as practicable in accordance with current industry practice. Notwithstanding the foregoing, BHI does not warrant the accuracy of data transmitted by electronic processes and will not be responsible to Customer for accidental or intentional interception of such data by others.

BHI does not represent or warrant that the Products are or will be compliant with the requirements of REACH (the Registration Evaluation Authorisation and Restriction of Chemicals Regulation 1907/2006, as amended) and all implied warranties as to compliance with REACH ("REACH Compliance") are hereby excluded to the fullest extent permitted by law. Without prejudice to the foregoing, BHI shall use reasonable endeavors to obtain or maintain REACH Compliance in respect of the Products where required by law, unless it is Customer's responsibility to obtain or maintain REACH Compliance or any non-compliance is caused by any act or omission of Customer. In the event BHI receives written notice from any competent authority, or in its reasonable opinion decides, that any of the Products are not or will not become REACH Compliant, it shall inform Customer in writing within a reasonable time and may suspend any further deliveries of the relevant Products and/or terminate the Order. Customer shall promptly provide such information to BHI as may be required in order to obtain and maintain REACH Compliance in respect of the Products and shall comply with its obligations under REACH.

THIS ARTICLE 10 SETS FORTH CUSTOMER'S SOLE REMEDIES AND BHI'S ONLY OBLIGATION WITH REGARD TO DEFECTIVE OR NON-CONFORMING SERVICES, EQUIPMENT OR PRODUCTS. EXCEPT AS IS OTHERWISE EXPRESSLY PROVIDED PURSUANT TO THE PROVISIONS OF THIS ARTICLE 10, BHI MAKES NO WARRANTY OR GUARANTEE OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, REGARDING ANY SERVICES PERFORMED OR EQUIPMENT OR PRODUCTS SUPPLIED BY BHI HEREUNDER. IN NO EVENT SHALL BHI BE LIABLE FOR RIG TIME INCURRED BY CUSTOMER INDEMNITEES AS A RESULT OF DEFECTIVE OR NON-CONFORMING SERVICES, EQUIPMENT OR PRODUCTS.

#### 11. LOST EQUIPMENT INDEMNITY BUY-BACK

In some locations, lost equipment indemnity buy-back ("LEIB") is available for some Tools. LEIB must be purchased by Customer prior to the Tools leaving BHI's point of origin. Regardless of LEIB, Customer shall make every reasonable effort to recover BHI's Tools lost or damaged in a well or hole in accordance with Paragraph 5D. BHI reserves the right not to offer LEIB at its sole discretion.

#### 12. INSURANCE

Upon written request, each party shall furnish to the other party certificates of insurance evidencing that adequate insurance to support each party's obligations hereunder has been secured. To the extent of each party's release and indemnity obligations hereunder, each party agrees that all such insurance policies shall (i) be primary to the other party's insurance, (ii) include the other party, its parent, subsidiary and affiliated or related companies, its subcontractors and other contractors, and its and their respective officers, directors, employees, consultants and agents as additional insured, and (iii) be endorsed to waive subrogation against the other party, its parent, subsidiary and affiliated or related companies, its subcontractors and other contractors, and its and their respective officers, directors, employees, consultants and agents.

#### 13. CHANGE OF DESIGN

BHI expressly reserves the right to change or modify the design and construction of any of its Products without obligation to furnish or install such changes or modifications on Products previously or subsequently sold.

#### 14. PATENTS

BHI warrants that the use or sale of Equipment or Products hereunder will not infringe valid patents of others by reason of the use or sale of such Equipment or Products per se, and hereby agrees to hold CUSTOMER harmless against judgment for damages for infringement of any such patent, provided that Customer shall promptly notify BHI in writing upon receipt of any claim for infringement, or upon the filing of any such suit for infringement, whichever first occurs, and shall afford BHI full opportunity, at BHI's option and expense, to answer such claim or threat of suit, assume the control of the defense of such suit, and settle or compromise same in any way BHI sees fit. BHI does not warrant that such Equipment or Products: (i) will not infringe any such patent when not of BHI's manufacture, or specially made, in whole or in part, to the Customer's design specifications; or (ii) if used or sold in combination with other materials or apparatus or used in the practice of processes, will not, as a result of such combination or use, infringe any such patent, and BHI shall not be liable and does not hold Customer harmless for damages or losses of any nature whatsoever resulting from actual or alleged patent infringement arising pursuant to (i) and (ii) above. THIS PARAGRAPH STATES THE ENTIRE RESPONSIBILITY OF BHI CONCERNING PATENT INFRINGEMENT

#### 15. CONFIDENTIALITY

Each party shall maintain all data and information obtained from the other party in strict confidence, subject only to disclosure required by law or legal process. In the event that BHI owns copyrights to, patents to, or has filed patent applications on, any technology related to the Services, Products or Equipment furnished by BHI hereunder, and if BHI makes any improvements on such technology, then such improvements shall not fall within the confidentiality obligations of BHI included herein, and BHI shall own all such improvements, including drawings, specifications, calculations and other documents.

The design, construction, application and operation of BHI's Services, Equipment and Products embody proprietary and confidential information. Customer shall maintain this information in strict confidence and shall not disclose it to others, subject only to disclosure required by law or legal process. To the extent permissible by law, Customer shall not resell the Products or Equipment (or drawings related thereto) to others or reverse engineer or permit others to reverse engineer, for the purpose of manufacturing, similar Products or Equipment.

#### 16. LIENS, ATTACHMENTS AND ENCUMBRANCES

Customer grants to BHI a lien upon and a security interest in (i) any interest that Customer now owns or hereafter acquires in the lands, leasehold interests, pipelines, pipeline right-of-ways, personal property and fixtures arising out of, pertaining to, located on, or used in connection with the development of, the mineral property on which the Services, Products, or Equipment were performed or installed (the "Mineral Property"), (ii) the oil and gas when extracted from the Mineral Property, including the proceeds thereof, (iii) the contract rights, inventory and general intangibles pertaining to the Mineral Property, and (iv) any claim against any working interest owner of the Mineral Property arising from nonpayment of joint interest billings or lease operating expenses. This lien and security interest shall be for the purpose of securing performance of Customer's obligations to BHI under this Agreement. Customer authorizes BHI to have filed a financing statement and any other instruments BHI determines to be necessary or appropriate to perfect the lien and security interest created hereby. Upon request, Customer shall execute any document determined by BHI to be necessary or appropriate to perfect this lien and security interest under all applicable laws and the real property recording statutes of the state in which the Mineral Property is located. If BHI is unable to obtain proper execution of such documentation within a reasonable period of time after the request is made, then Customer hereby appoints BHI as Customer's true and lawful agent and attorney-in-fact, to execute all documents on its behalf, and to otherwise take such actions on its behalf, as BHI deems necessary or appropriate, to perfect the lien and security interest created or contemplated hereby. This appointment is coupled with an interest and may not be revoked for as long as any portion of Customer's obligations hereunder remains outstanding. The lien and security interest created hereby are in addition to, and not in lieu of, any other liens and security interests now existing or hereafter coming into existence, and securing the performance of Customer's obligations hereunder, whether voluntary or involuntary, including any liens arising by statute or common law in favor of mechanics and/or materialmen.

Should Customer commit a breach of any of the terms and conditions of this Agreement, be named as a debtor in a bankruptcy proceeding, or become insolvent; should Customer, or any of its assets, be the subject of a receivership proceeding; or should any creditor or other person or entity attach or levy Customer's property or

equipment, BHI shall immediately have the right, without notice and without liability for trespass or damages, to retake and remove any of its Products or Equipment wherever it may be found. CUSTOMER SHALL RELEASE, DEFEND, INDEMNIFY AND HOLD BHI INDEMNITEES HARMLESS FROM ANY AND ALL LIENS AND ENCUMBRANCES AGAINST PRODUCTS OR EQUIPMENT FURNISHED HEREUNDER AND SHALL RETURN SAME PROMPTLY TO BHI FREE OF ANY LIENS OR ENCUMBRANCES.

#### 17. FORCE MAJEURE

If either party is unable by reason of Force Majeure to carry out any of its obligations under this Agreement, other than obligations to pay money, then on such party giving notice and particulars in writing to the other party within a reasonable time after the occurrence of the cause relied upon, such obligations shall be suspended. "Force Majeure" shall include any event that is beyond the reasonable control of the party so affected including, without limitation, acts of God, laws and regulations, government action, war, civil disturbances, hijack, piracy, criminal action by a third party, threats or acts of terrorism, strikes and labor problems, delays of vendors or carriers, lightning, fire, flood, washout, storm, breakage or accident to equipment or machinery, and shortage of raw materials. In the event that any suspension due to Force Majeure exceeds ten (10) consecutive days, either party may terminate this Agreement by written notice to the other party, and Customer shall be liable for demobilization and any other reasonable costs incurred by BHI incidental to such termination.

#### 18. INDEPENDENT CONTRACTOR

It is expressly understood that BHI is an independent contractor, and that neither BHI nor its principals, partners, employees or subcontractors are servants, agents or employees of Customer.

In all cases where BHI's employees (defined to include BHI's and its subcontractors' direct, borrowed, special, or statutory employees) are covered by the Louisiana Workers' Compensation Act, La. R.S. 23:102 et seq., BHI and Customer agree that all Services, Products and Equipment provided by BHI and BHI's employees pursuant to this Agreement are an integral part of and are essential to the ability of Customer to generate Customer's goods, products, and services for the purpose of La. R.S. 23:106 (A) (1). Furthermore, BHI and Customer agree that Customer is the statutory employer of BHI's employees for purposes of La. R.S. 23:1061 (A) (3).

#### 19. LAWS, RULES, REGULATIONS, AND EXPORT CONTROL

BHI and Customer agree to be subject to all laws, rules, regulations and decrees of any governmental or regulatory body having jurisdiction over the Services, Equipment or Products to be provided by BHI or the work site or that may otherwise be applicable to BHI's or Customer's performance under this Agreement.

Customer acknowledges that Equipment, Services, Products and/or related technical data covered by this Agreement may be subject to U.S. and/or foreign trade controls. Customer agrees that it will not sell, re-export or transfer Equipment, Products and/or related technical data except in full compliance with all governmental requirements including but not limited to economic sanctions and export controls administered by the U.S. Department of Treasury, U.S. Department of Commerce and U.S. Department of State. Customer agrees to comply with all BHI requests for trade compliance information, statements, and other assurances including, without limitation, requests for End-User and Routed Transaction certifications. Any breach of this provision shall be deemed a material breach of this Agreement and sufficient basis for BHI to reject any or all orders or to terminate the Agreement.

BHI reserves the right to refuse to fulfill any order or otherwise perform under this Agreement if BHI in its sole discretion determines that such action may violate any law or regulation. Customer agrees that such refusal, cancellation, or termination of the Agreement by BHI will not constitute a breach of BHI's obligations under this Agreement and Customer hereby waives any and all claims against BHI related to such refusal, cancellation, or termination.

#### 20. GOVERNING LAW AND ARBITRATION

A. Except for Services, Equipment or Products provided, or to be provided, by BHI in North or South America (the "Americas"): THIS AGREEMENT SHALL BE GOVERNED BY AND INTERPRETED IN ACCORDANCE WITH ENGLISH LAW, EXCLUDING CONFLICTS OF LAW AND CHOICE OF LAW PRINCIPLES. ANY DISPUTE, CONTROVERSY OR CLAIM ("DISPUTE") ARISING OUT OF OR IN CONNECTION WITH THIS AGREEMENT OR THE FURNISHING OF EQUIPMENT, SERVICES OR PRODUCTS HEREUNDER SHALL BE RESOLVED

BY FINAL AND BINDING ARBITRATION CONDUCTED IN ACCORDANCE WITH THE UNCITRAL ARBITRATION RULES (THE "RULES").

The Tribunal shall be composed of three arbitrators, with each party appointing one arbitrator, and the two arbitrators so appointed appointing the third arbitrator who shall act as the presiding arbitrator of the Tribunal (the "Tribunal"). The appointing authority under the Rules shall be the London Court of International Arbitration. The language of the arbitration shall be English. The seat of arbitration shall be London, England, and the proceedings shall be conducted and concluded as soon as reasonably practicable, based upon the schedule established by the Tribunal. Any monetary award shall be made in U.S. Dollars, free of any tax or other deduction, and shall include interest from the date of any breach or other violation of the Agreement to the date paid in full at a floating rate of interest equal to the prime rate of interest in effect at Citibank, N.A., New York, U.S.A., from time to time.

B. For Services, Equipment or Products provided, or to be provided, by BHI in the Americas: THIS AGREEMENT SHALL BE GOVERNED BY AND INTERPRETED IN ACCORDANCE WITH THE SUBSTANTIVE LAWS OF OKLAHOMA, EXCLUDING CONFLICTS OF LAW AND CHOICE OF LAW PRINCIPLES. ANY DISPUTE, CONTROVERSY OR CLAIM ("DISPUTE") ARISING OUT OF OR IN CONNECTION WITH THIS AGREEMENT OR THE FURNISHING OF EQUIPMENT, SERVICES OR PRODUCTS HEREUNDER SHALL BE RESOLVED BY FINAL AND BINDING ARBITRATION CONDUCTED IN ACCORDANCE WITH THE COMMERCIAL RULES OF ARBITRATION OF THE AMERICAN ARBITRATION ASSOCIATION (THE "RULES"). The tribunal shall be composed of one (1) neutral arbitrator if the Dispute involves a maximum exposure of less than \$1,000,000. If the parties are unable to agree on a neutral arbitrator, one will be appointed pursuant to the Rules. If the Dispute involves a maximum exposure equal to or in excess of \$1,000,000, then the Tribunal shall consist of three (3) arbitrators, with each party appointing one arbitrator, and the two arbitrators so appointed appointing the third arbitrator who shall act as Chair (the "Tribunal"). The seat of arbitration shall be Houston, Texas, and the proceedings shall be conducted and concluded as soon as reasonably practicable, based upon the schedule established by the Tribunal.

C. For any arbitration conducted in accordance with Paragraph A. or B. above, the following shall apply: No award shall be made for Consequential Damages. Judgment upon the award rendered by the Tribunal pursuant hereto may be entered in, and enforced by, any court of competent jurisdiction. All statutes of limitation that would otherwise be applicable shall apply to the arbitration proceeding. Any attorney-client privilege and other protection against disclosure of privileged or confidential information, including, without limitation, any protection afforded the work-product of any attorney, that could otherwise be claimed by any party shall be available to, and may be claimed by, any such party in any arbitration proceeding. The parties shall treat all matters relating to the arbitration as confidential. Subject to each party's right to cooperate fully with the United States authorities, the parties understand and agree that this confidentiality obligation extends to information concerning the fact of any request for arbitration, any ongoing arbitration, as well as all matters discussed, discovered, or divulged, (whether voluntarily or by compulsion) during the course of such arbitration proceeding. It is the desire of the parties that any Dispute is resolved efficiently and fairly and the Tribunal shall act in a manner consistent with these intentions.

#### 21. ASSIGNMENT

BHI shall have the right to assign this Agreement to any of its subsidiaries, affiliated or related companies without the consent of Customer.

#### 22. GENERAL

Failure of Customer or BHI to enforce any of the terms and conditions of this Agreement shall not prevent a subsequent enforcement of such terms and conditions or be deemed a waiver of any subsequent breach. Should any provision of this Agreement, or a portion thereof, be unenforceable or in conflict with governing country, state, province, or local laws, then the validity of the remaining provisions, and portions thereof, shall not be affected by such unenforceability or conflict, and this Agreement shall be construed as if such provisions, or portion thereof, were not contained herein. This Agreement contains all representations of the parties and supersedes all prior oral or written agreements or representations. Customer acknowledges that it has not relied on any representations other than those contained in this Agreement. This Agreement shall not be varied, supplemented, qualified, or interpreted by any prior course of dealing between the parties or by any usage of trade and may only be amended by an agreement executed by both parties. In the event that any conflict exists between the provisions of this Agreement and any other terms and conditions set forth in Customer's purchase orders, field work orders, work tickets, invoices, statements, or any other type of memoranda or other documents used by Customer in the normal course of business, whether oral or written, the provisions of this Agreement shall govern.

**Operator:** CASTLETON COMMODITIES INTERNATIONAL  
**Well Name:** Lisbon D-616  
**Date:** March 27, 2015



**Proposal No:** 1001176966B

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**PRODUCT DESCRIPTIONS**

**CD-32**

A patented, free-flowing, water soluble polymer that is an efficient and effective dispersant for primary and remedial cementing.

**FL-52**

A water soluble, high molecular weight fluid loss additive used in medium to low density slurries. It is functional from low to high temperature ranges.

**R-3**

A low temperature retarder used in a wide range of slurry formulations to extend the slurry thickening time.

**Type III Cement**

P044

Sundry Number: 61902 API Well Number: 43037150490000

**Operator Name:** CASTLETON COMMODITIES INTERNATIONAL  
**Well Name:** Lisbon D-616  
**Date:** March 27, 2015



**Proposal No:** 1001176966B

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**End of Report**

Sundry Number: 61902 API Well Number: 43037150490000

RECEIVED: Mar. 30, 2015

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-13692
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> CCI PARADOX UPSTREAM, LLC		<b>7. UNIT or CA AGREEMENT NAME:</b> LISBON
<b>3. ADDRESS OF OPERATOR:</b> 600 17th Street, Suite 1900S , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> LISBON D-616
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FNL 0660 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 16 Township: 30.0S Range: 24.0E Meridian: S		<b>9. API NUMBER:</b> 43037150490000
<b>PHONE NUMBER:</b> 303 728-2222 Ext		<b>9. FIELD and POOL or WILDCAT:</b> LISBON
<b>COUNTY:</b> SAN JUAN		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>3/31/2015</b>	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> <b>PLUG AND ABANDON</b> <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	OTHER: <input type="text" value="24 Hour Notice"/>	
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. CCI Paradox Upstream, LLC is submitting 24-Hour notification of a P&A to commence 03/31/2015. Thank you.		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          March 31, 2015</b>		
<b>NAME (PLEASE PRINT)</b> Ashley Noonan	<b>PHONE NUMBER</b> 303 728-2232	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 3/30/2015	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-13692
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  
<b>2. NAME OF OPERATOR:</b> CCI PARADOX UPSTREAM, LLC		<b>7. UNIT or CA AGREEMENT NAME:</b> LISBON
<b>3. ADDRESS OF OPERATOR:</b> 600 17th Street, Suite 1900S , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> LISBON D-616
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FNL 0660 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 16 Township: 30.0S Range: 24.0E Meridian: S		<b>9. API NUMBER:</b> 43037150490000
<b>9. FIELD and POOL or WILDCAT:</b> LISBON		<b>COUNTY:</b> SAN JUAN
<b>STATE:</b> UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>3/31/2015</b>	<input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="Pumping &amp; Tubing Pressure"/>	
<input type="checkbox"/> SPUD REPORT Date of Spud:		
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. CCI Paradox Upstream, LLC has gathered casing & tubing pressures for the month of March 2015 for all shut-in wells, please see the attached spreadsheet. Subsequent monthly reports of shut-in well casing and tubing pressures with be submitted on a monthly basis.		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          April 08, 2015</b>		
<b>NAME (PLEASE PRINT)</b> Ashley Noonan	<b>PHONE NUMBER</b> 303 728-2232	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/7/2015	

Utah  
CCI Paradox Upstream, LLC  
Shut- In Wells

Required Actions

Well Name	API	Casing Feb	Tubing Feb	Casing Mar	Tubing Mar	Casing Apr	Tubing Apr	Casing May	Tubing May	Casing Jun	Tubing Jun	Casing Jul
BIG INDIAN UNIT 1	4303716219	480	2400	500	2400							
BULL HORN U 10-43	4303731831	280	0	220	0							
LISBON B-616	4303716242	40	40	24	20							
LISBON B-84	4303730054	-4	101	4	100							
LISBON B912	4303715769	1100	60	1125	60							
LISBON B-94	4303730695	0	0	0	0							
LISBON C-69	4303716245	180	810	580	800							
LISBON C-910	4303731323	480	60	445	80							
LISBON C-94	4303716247	30	0	0	0							
LISBON C-99	4303730693	20	1000	45	1000							
LISBON D-616	4303715049	0	15	Rig	Rig							
LISBON D-716	4303731034	8	1160	0	0							
LISBON D-84	4303716250	480	60	560	550							
LISBON D-89	4303716251	100	140	unable	unable							
FEDERAL 15-25	4303730317	380 Bottom/3300 Top	3300	3300	3200							



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  <b>5.LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-13692
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7.UNIT or CA AGREEMENT NAME:</b> LISBON
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> LISBON D-616
<b>2. NAME OF OPERATOR:</b> CCI PARADOX UPSTREAM, LLC	<b>9. API NUMBER:</b> 43037150490000
<b>3. ADDRESS OF OPERATOR:</b> 600 17th Street, Suite 1900S , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 728-2222 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FNL 0660 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 16 Township: 30.0S Range: 24.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> LISBON  <b>COUNTY:</b> SAN JUAN  <b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/17/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Revised Procedure"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

CCI Paradox Upstream LLC in agreement with Dustin Doucet (UDOGM) have cemented a mill and collar pumped a cement plug from 7764'-7333', they are currently waiting to tag the plug to ensure that it sits at 7330'. If it falls below 7330' additional cement will be pumped. The remainder of the original P&A procedure will be followed. Attached are the following documents requested: 1. Log Marked w/Cane Creek Bottom 2. Email from Geologist

**Approved by the**  
**May 02, 2015 of**  
**Oil, Gas and Mining**

**Date:** \_\_\_\_\_  
**By:** Dustin Doucet

<b>NAME (PLEASE PRINT)</b> Ashley Noonan	<b>PHONE NUMBER</b> 303 728-2232	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/21/2015	

**Noonan, Ashley**

---

**From:** Schaffner, Chrissy  
**Sent:** Tuesday, April 21, 2015 4:55 PM  
**To:** Noonan, Ashley  
**Subject:** Fw: Lisbon D-616 Base of the Cane Creek  
**Attachments:** SecureZIP Attachments.zip

Sent from my BlackBerry 10 smartphone on the Verizon Wireless 4G LTE network.

---

**From:** Robbins, Amber  
**Sent:** Thursday, April 16, 2015 5:26 PM  
**To:** Schaffner, Chrissy  
**Cc:** Warren, John  
**Subject:** Lisbon D-616 Base of the Cane Creek

Chrissy,

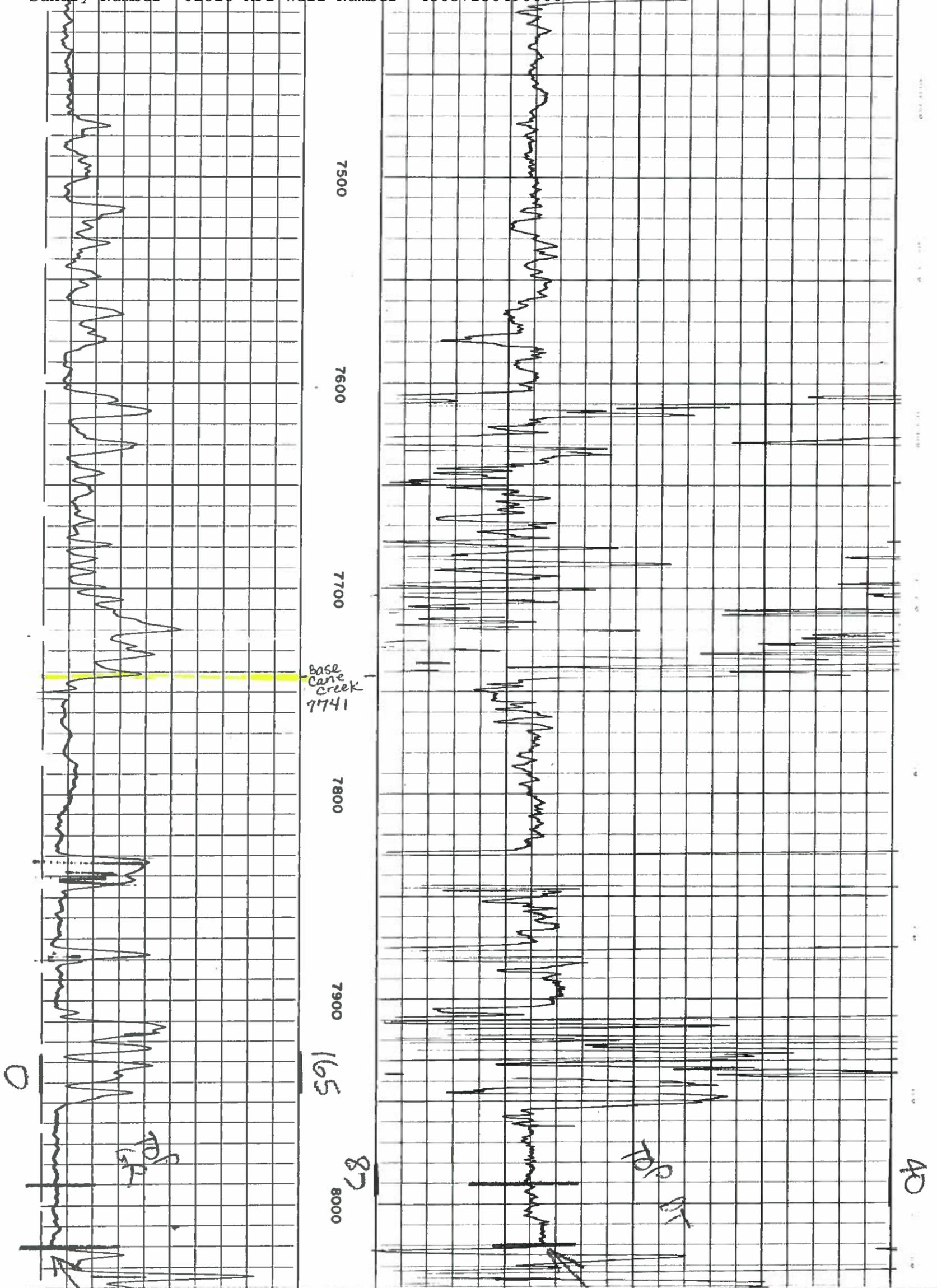
The base of the Cane Creek in the Lisbon D-616 is 7,741' MD (7,713' TVD). Please see the attached log for reference. The third page is where the base of the Cane Creek is marked.

Thank you,

*Amber Robbins*

Castleton Commodities International (CCI)  
600 17<sup>th</sup> St., Ste. 1900S  
Denver, CO 80202  
w. 303-728-2227 (new phone number)





**SCHLUMBERGER WELL SURVEYING CORPORATION**  
HOUSTON, TEXAS



*Sonic Log*

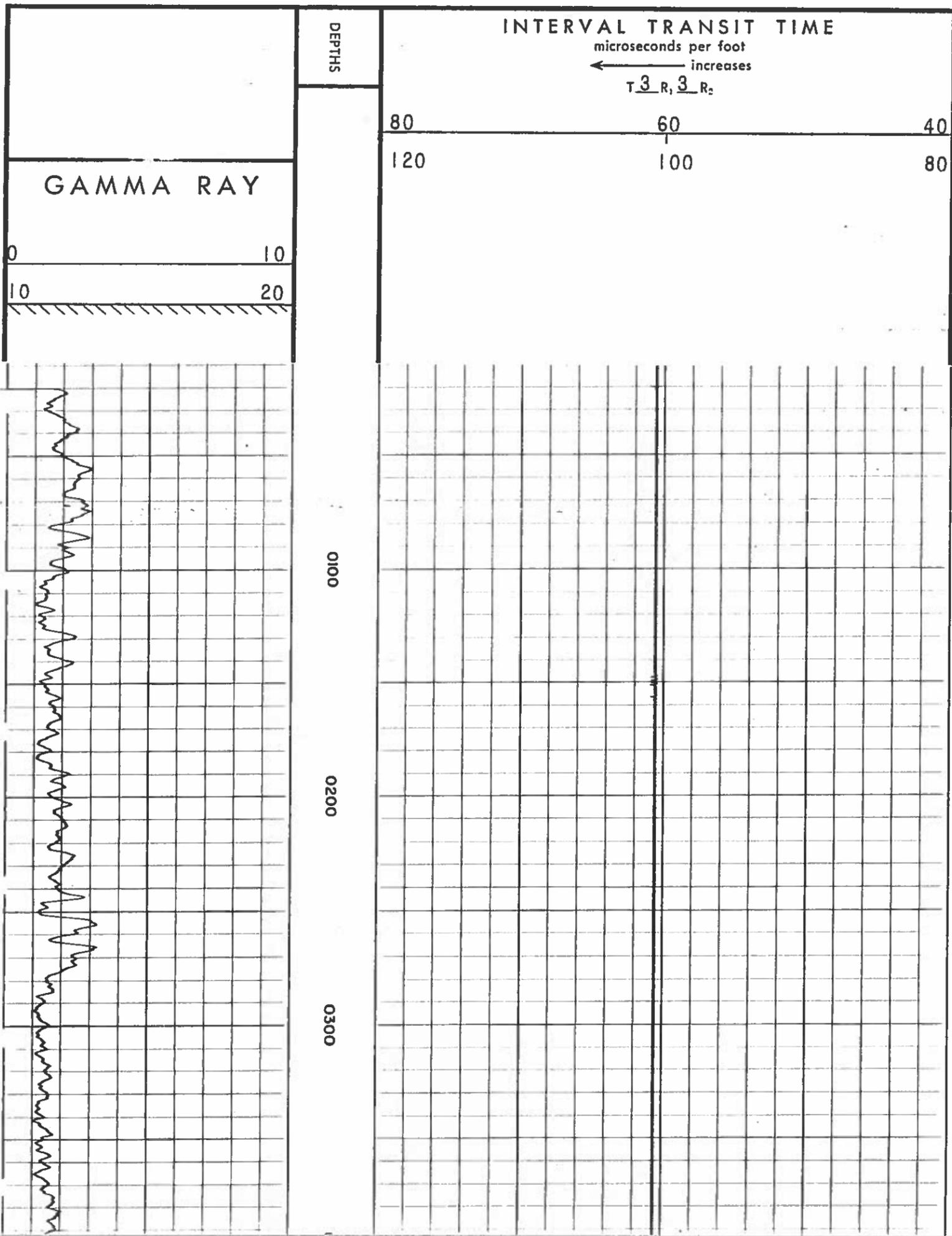
COUNTY <u>SAN JUAN, UTAH</u> FIELD or LOCATION <u>NW LISBON</u> WELL <u>BELCO STATE #2</u> COMPANY <u>BELCO PETROLEUM CORPORATION</u>	COMPANY <u>BELCO PETROLEUM CORPORATION</u>	Other Surveys <u>MLL</u>
	WELL <u>BELCO STATE #2</u> <u>D-616</u>	Location of Well <u>PURE OIL</u>
	FIELD <u>NW LISBON</u>	
	LOCATION <u>SEC. 16-30S-24E</u> <u>660'SNL-660'WEL</u>	
	COUNTY <u>SAN JUAN</u>	Elevation: K.B.: <u>6229</u> D.F.: <u>6228</u> or G.L.: <u>6218</u>
	STATE <u>UTAH</u>	

Log Depths Measured From		KB	Ft. above KB	
RUN No.	ONE			
Date	8-16-60			
First Reading	9110			
Last Reading	20			
Feet Measured	9090			
Csg. Schlum.	2580			
Csg. Driller	2580			
Depth Reached	9114			
Bottom Driller	9120			
Mud Nat.	SALT BASE 20% OIL			
Dens.	Visc.	1.2	51	
Mud Resist.	0.068@	86 °F	@	°F
" Res. BHT	0.044@	133 °F	@	°F
" pH	5.5 @	°F	@	°F
" Wtr. Loss	1.6	CC 30 min	CC 30 min	CC 30 min
" Rmf	0.023@	133 °F	@	°F
Bit Size	8 3/4"			
Spacing:				
T 3 R. 3 R.	TD	To	CSG.	To
T R. R.		To		To
Opr. Rig Time	4 HOURS			
Truck No.	2598			
Recorded By	ED MIXA			
Witness	MR. ROYCE			

REMARKS	VLC No.: 144 B	MUD SAMPLE FROM FLOW LINE
	VLS No.: 177 B	TOOL FULLY CENTRALIZED
	VLP No.: 17 B	2 H-37646
	GNC-F-53	1 H-32248
		1 H-41385

$$\text{Velocity (feet per second)} = \frac{1,000,000}{\text{Interval Transit Time (microseconds per foot)}}$$

FORM 8880 (C-25258) PRINTED IN U.S.A.



40

TOP RT

7500

7600

7700

base  
Cone  
Creek  
7774

7800

7900

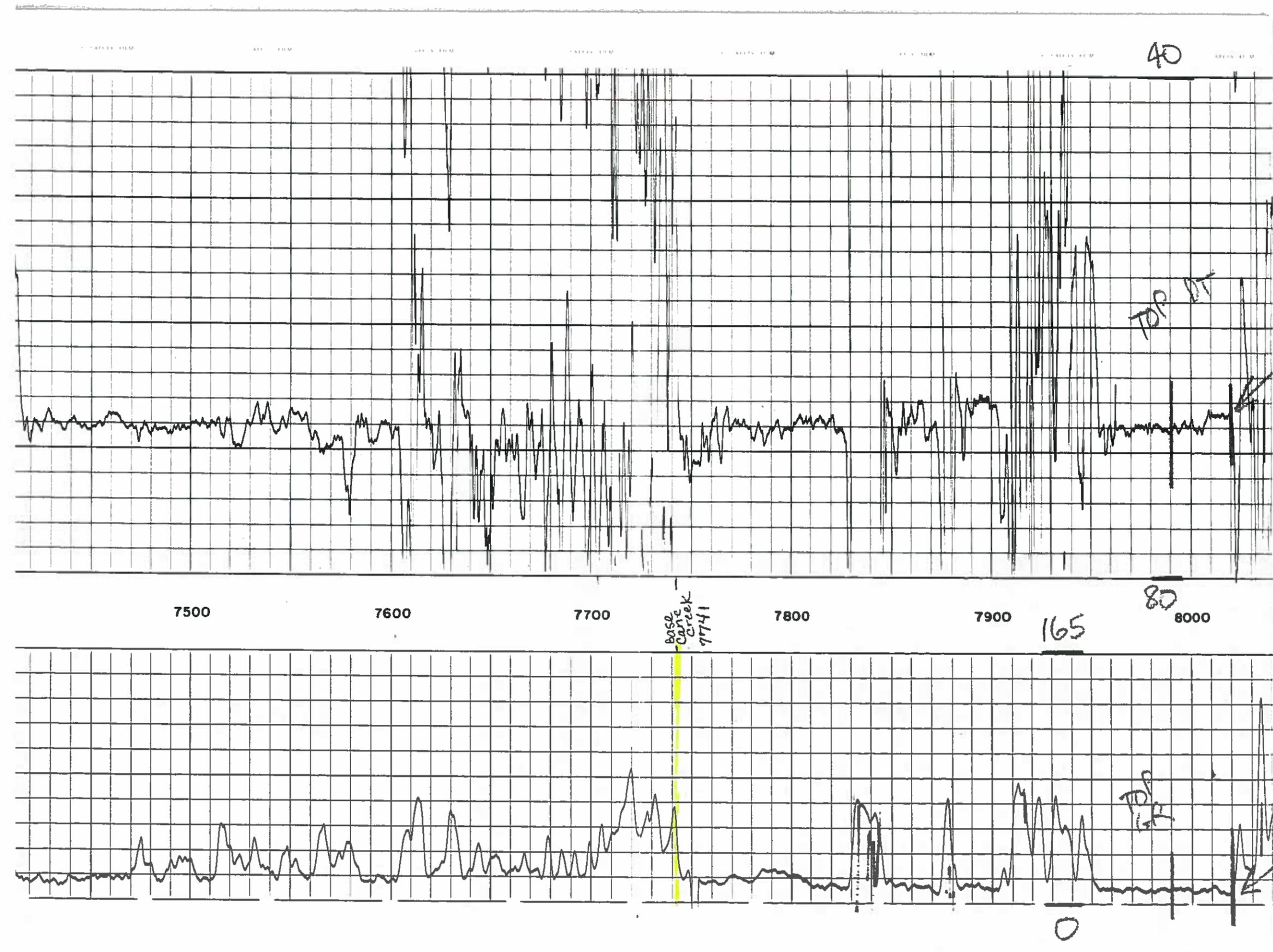
165

80

8000

TOP RT

0



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-13692
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b> LISBON
<b>2. NAME OF OPERATOR:</b> CCI PARADOX UPSTREAM, LLC		<b>8. WELL NAME and NUMBER:</b> LISBON D-616
<b>3. ADDRESS OF OPERATOR:</b> 600 17th Street, Suite 1900S , Denver, CO, 80202		<b>9. API NUMBER:</b> 43037150490000
<b>PHONE NUMBER:</b> 303 728-2222 Ext		<b>9. FIELD and POOL or WILDCAT:</b> LISBON
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FNL 0660 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 16 Township: 30.0S Range: 24.0E Meridian: S		<b>COUNTY:</b> SAN JUAN
		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/28/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
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	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

CCI PARADOX UPSTREAM LLC COMPLETED THE PLUGGING AND ABANDONMENT OF THE LISBON D-616 WELL ON 04/28/2015. PLEASE SEE THE ATTACHED WELLBORE DIAGRAM AND BAKER HUGHES POST JOB CEMENT REPORT. THE DRYHOLE MARKER WAS INSTALLED 04/29/2015. PLEASE CONTACT CHRISSY SCHAFFNER AT CHRISSY.SCHAFFNER@CCI.COM WITH ANY QUESTIONS OR CONCERNS. THANK YOU,

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
May 13, 2015**

<b>NAME (PLEASE PRINT)</b> Ashley Noonan	<b>PHONE NUMBER</b> 303 728-2232	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/8/2015	

**PROPOSED WELLBORE DIAGRAM**

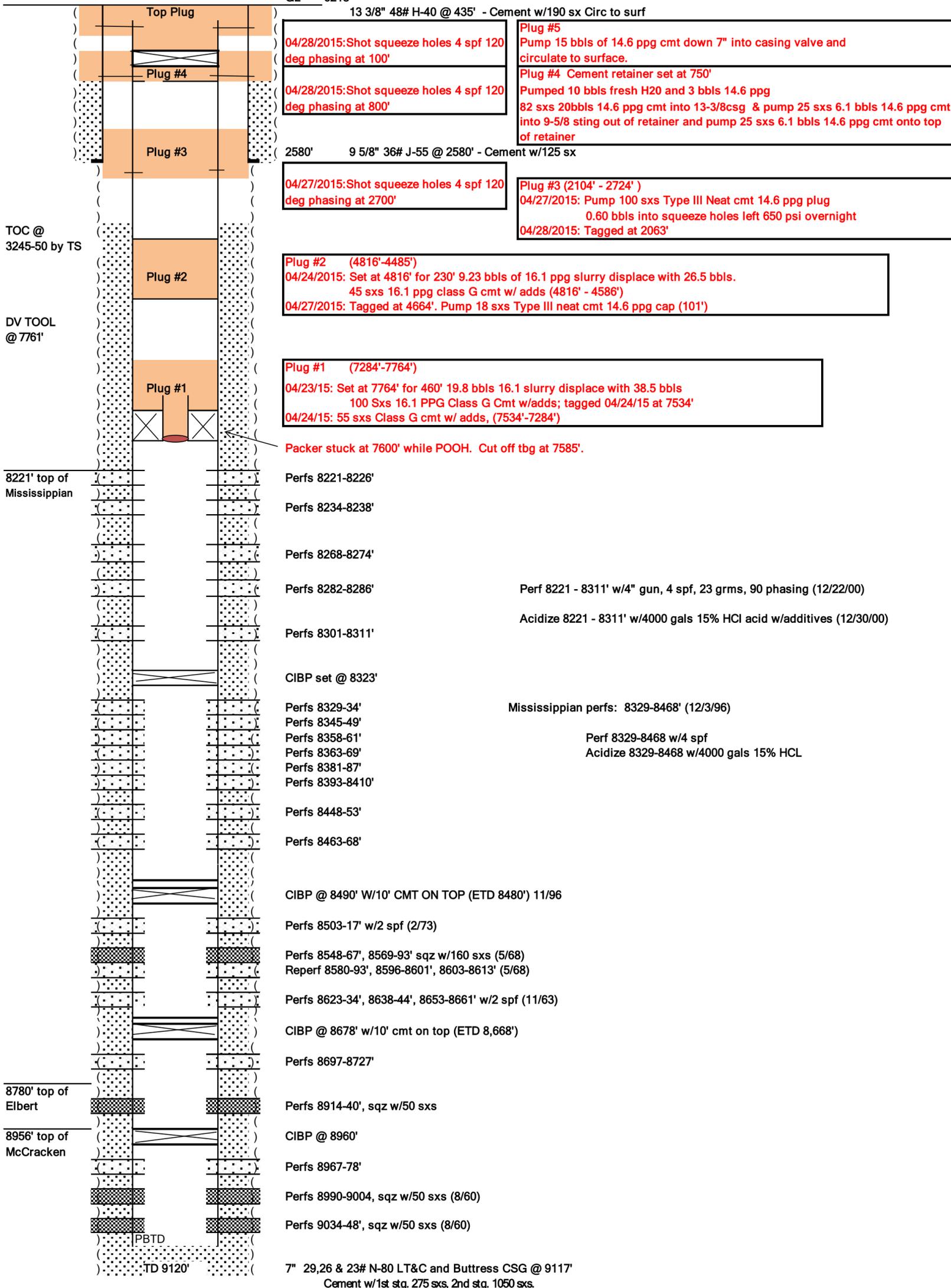
**P&A Actual**

660' FNL & 660' FEL  
API # 43037150490000

Company: CCI Paradox Upstream, LLC  
Lease Name: LISBON (MISS) UNIT  
Lease Number: D-616  
Location: NENE Sec 16-T30S-R24E  
County: SAN JUAN COUNTY, UTAH  
Date: 2/12/2001  
3/27/2015 John Warren  
05/08/2015 AN  
Spud Date 4/10/60  
Recompletion Date 12/21/00

KB ' 6229'

GL 6218'



Advancing Reservoir Performance

## Castleton Commodities International

Well: Lisbon D-616

Job Type: Plug and Abandon

Field: Basin

County: San Juan, Utah



## Cement Post Job Report



**Scott Schull**  
Customer Rep.  
Castleton Commodities International

April 24, 2015  
Yunmiao Liang  
Field Engineer  
Farmington District, NM  
Baker Hughes - US Pressure Pumping

[www.bakerhughes.com](http://www.bakerhughes.com)

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RECEIVED: May. 08, 2015



April 27, 2015

Scott Schull  
Customer Rep.  
Castleton Commodities International

RE: Cement Post Job Report  
Lisbon D-616 7 inch Plug and Abandon  
San Juan , Utah

Dear Scott Schull,

The attached report outlines the primary cement job performed on Lisbon D-616 on April 27, 2015. This report includes the treatment report, graph, field receipt, lab report and quality improvement.

I am very proud to report that we performed this job without any safety or environmental incident. Safety is one of Baker Hughes' highest priorities.

Should you have any questions, or if I can offer further assistance please call me at 505-258-6198. Baker Hughes appreciates the opportunity to perform pressure pumping services for you in a cost-effective manner that focuses on safety and quality.

Regards,

**Yunmiao Liang | Field Engineer | Farmington, Rocky Mountain Region**

**Baker Hughes** | US Pressure Pumping

Phone: 505-258-6198 - [yunmiao.liang@bakerhughes.com](mailto:yunmiao.liang@bakerhughes.com)

<http://www.bakerhughes.com> | Advancing Reservoir Performance

## CEMENT JOB REPORT



<b>CUSTOMER</b> CASTLETON COMMODITIES IN		<b>DATE</b> 27-APR-15	<b>F.R. #</b> 10011151360		<b>SERV. SUPV.</b> Robert N Rasmussen								
<b>LEASE &amp; WELL NAME</b> Lisbon D-616 - API 43037150490000		<b>LOCATION</b> 16-T30S-R24E			<b>COUNTY-PARISH-BLOCK</b> San Juan Utah								
<b>DISTRICT</b> Farmington		<b>DRILLING CONTRACTOR RIG #</b>			<b>TYPE OF JOB</b> Plug & Abandon								
<b>SIZE &amp; TYPE OF PLUGS</b>		<b>LIST-CSG-HARDWARE</b>		<b>MECHANICAL BARRIERS</b>		<b>MD</b>	<b>TVD</b>	<b>HANGER TYPES</b>		<b>MD</b>	<b>TVD</b>		
<b>MATERIALS FURNISHED BY BJ</b>		<b>LAB REPORT NO.</b>		<b>PHYSICAL SLURRY PROPERTIES</b>									
				<b>SACKS OF CEMENT</b>	<b>SLURRY WGT PPG</b>	<b>SLURRY YLD FT</b>	<b>WATER GPS</b>	<b>PUMP TIME HR:MIN</b>	<b>Bbl SLURRY</b>	<b>Bbl MIX WATER</b>			
Fresh Water					8.34				50				
Type III Neat		4410		283	14.6	1.37	6.64	02:25	69.05	44.83			
Fresh Water					8.34				34.5				
Fresh Water					8.34				60				
Type III		4410		61	14.6	1.37	6.64	02:25	14.86	9.65			
Fresh Water					8.34				15.9				
Fresh Water					8.34				50				
Type III Neat		4410		56	14.6	1.37	6.64	02:25	13.64	8.86			
<b>Available Mix Water</b> 180 <b>Bbl.</b>		<b>Available Displ. Fluid</b> 40 <b>Bbl.</b>		<b>TOTAL</b>				307.96		63.34			
<b>HOLE</b>			<b>TBG-CSG-D.P.</b>						<b>COLLAR DEPTHS</b>				
<b>SIZE</b>	<b>% EXCESS</b>	<b>DEPTH</b>	<b>ID</b>	<b>OD</b>	<b>WGT.</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>GRADE</b>	<b>SHOE</b>	<b>FLOAT</b>	<b>STAGE</b>	
8.921		2800	6.184	7	29	CSG	2700	2700					
<b>LAST CASING</b>			<b>PKR-CMT RET-BR PL-LINER</b>			<b>PERF. DEPTH</b>		<b>TOP CONN</b>		<b>WELL FLUID</b>			
<b>ID</b>	<b>OD</b>	<b>WGT</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>BRAND &amp; TYPE</b>	<b>DEPTH</b>	<b>TOP</b>	<b>BTM</b>	<b>SIZE</b>	<b>THREAD</b>	<b>TYPE</b>	<b>WGT.</b>
						CEMENT RETAINER	750			2.875	8 RND	OTHER	8.5
<b>DISPL. VOLUME</b>		<b>DISPL. FLUID</b>		<b>CAL. PSI</b>	<b>CAL. MAX PSI</b>	<b>OP. MAX</b>	<b>MAX TBG PSI</b>		<b>MAX CSG PSI</b>		<b>MIX WATER</b>		
<b>VOLUME</b>	<b>UOM</b>	<b>TYPE</b>		<b>WGT.</b>	<b>BUMP PLUG</b>	<b>TO REV.</b>	<b>SQ. PSI</b>	<b>RATED</b>	<b>Operator</b>	<b>RATED</b>	<b>Operator</b>		
25	BBS	Fresh Water		8.34	0	0	0	7680	6144	4360	3488	rig	
		Fresh Water		8.34									

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE

PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES 4650 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
03:00	0	0	0	0	0	YARD CALL	
04:30	0	0	0	0	0	JOURNEY MANAGEMENT SAFETY MEETING / OFF YARD	
08:30	0	0	0	0	0	ON LOCATION	
08:45	0	0	0	0	0	SPOT TRUCKS	
09:00	0	0	0	0	0	PRE RIG UP SAFETY MEETING	
09:15	0	0	0	0	0	RIG UP	
09:45	0	0	0	0	0	SAFETY MEETING	
10:08	4650	0	0	0	0	PSI TEST	
10:10	475	0	3.5	10	H2O	H2O SPACER	
10:15	0	0	0	0	0	SHUTDOWN / BATCH UP	
	0	0	0	0	0	SCALES 14.6 PPG TRUCK 14.7 PPG	
10:23	82	0	2	4.4	CMT	18 SACKS TYPE III NEAT CMT 14.6 PPG CAP	
10:27	477	0	3.6	25	H2O	DISPLACEMENT	
10:36	0	0	0	0	0	SHUTDOWN	
10:55	221	0	4	36	H2O	REVERSE OUT WITH PRODUCTION WATER	
11:06	0	0	0	0	0	SHUTDOWN / TURN WELL OVER TO WIRELINE	
13:50	0	0	0	0	0	SAFETY MEETING	
14:12	7700	0	0	0	0	PSI TEST	

## CEMENT JOB REPORT

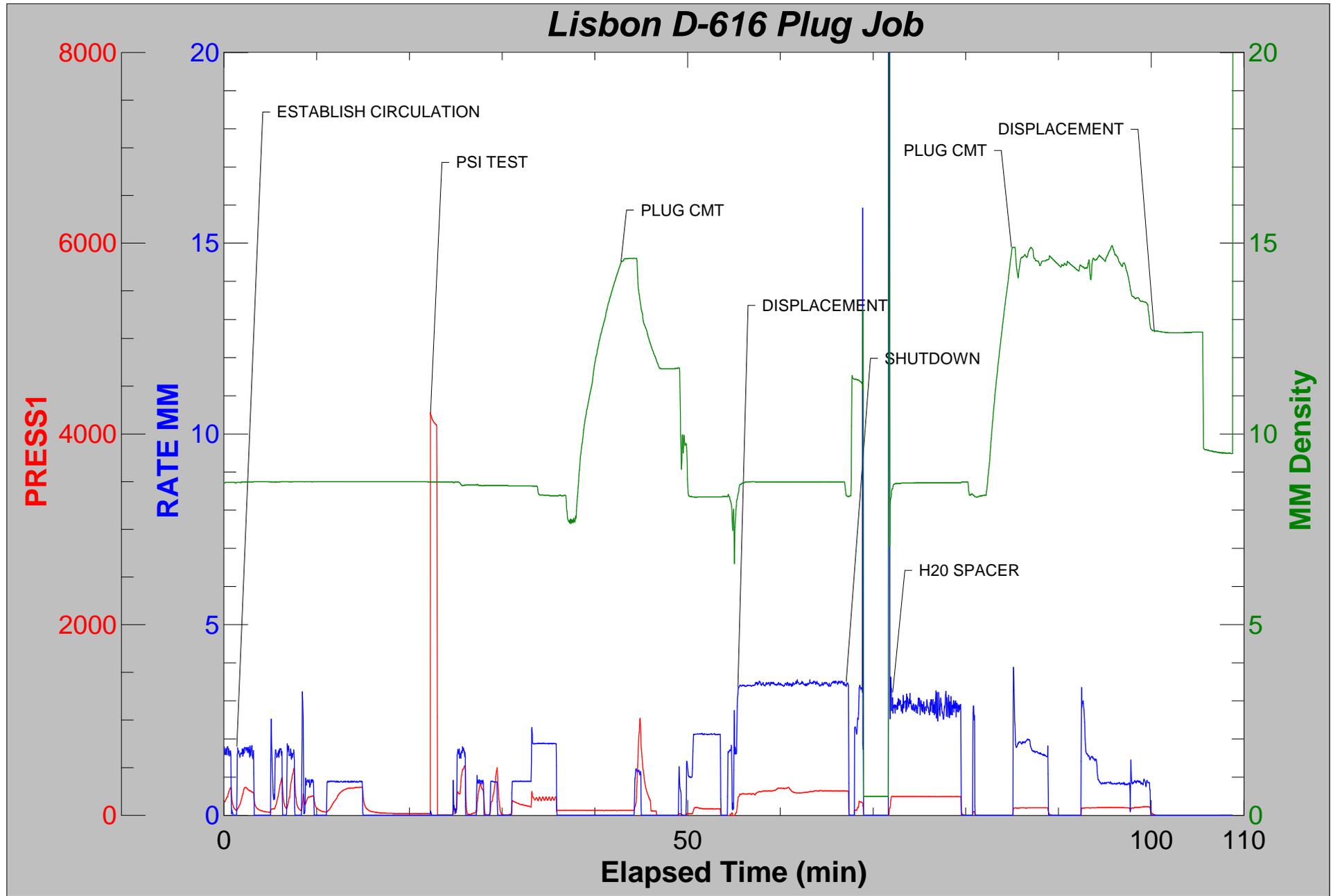


PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES 4650 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
14:13	95	0	1.8	10	H2O	H2O SPACER	
14:24	0	0	0	0	0	SHUTDOWN / BATCH UP	
00:00	0	0	0	0	0	TRUCK 14.6 PPG SCALES 14.6 PPG	
14:31	85	0	2	25.4	CMT	100 SACKS TYPE III NEAT CMT 14.6 PPG PLUG FROM 2724 TO 2104 FEET	
14:44	57	0	2.6	11	H2O	DISPLACEMENT	
14:49	0	0	0	0	0	SHUTDOWN	
15:14	200	0	3	20	H2O	REVERSE OUT	
15:21	0	0	0	0	0	SHUTDOWN	
15:24	591	0	0	0	0	SQUEEZE CMT TO 591 PSI	
15:28	622	0	0	0	0	BUMP UP PSI TO 622 PSI	
15:31	630	0	0	0	0	BUMP UP PSI TO 630 PSI	
15:36	663	0	0	0	0	BUMP UP PSI TO 663 PSI	
15:42	673	0	0	0	0	BUMP UP PSI TO 673 PSI	
15:46	633	0	0	0	0	SHUTDOWN CLOSE IN WELL WITH 633 PSI ON WELL	
16:00	0	0	0	0	0	GO HOME FOR THE NIGHT	
05:30	0	0	0	0	0	YARD CALL APRIL 28, 2015	
09:00	0	0	0	0	0	ON LOCATION	
09:31	295	0	1.4	10.2	H2O	ESTABLISH CIRCULATION ON THE 13 5/8 CASING	
09:39	298	0	.8	4.4	H2O	ESTABLISH CIRCULATION ON THE 9 5/8 CASING	
09:48	0	0	0	0	0	SHUTDOWN	
10:45	0	0	0	0	0	SAFETY MEETING	
10:59	4220	0	0	0	0	PSI TEST	
11:01	260	0	2.6	10	H2O	H2O SPACER / WELL HEAD WAS LEAKING FLUID INTO THE CELLAR THAT WAS SUCKED OUT BY A H2O TRUCK	
11:12	0	0	0	0	0	SHUTDOWN	
						TRUCK 14.6 PPG SCALES 14.6 PPG	
11:19	135	0	1.5	.8	CMT	14.6 PPG PLUG	
11:20	0	0	0	0	0	SHUTDOWN / LEAK ON 9 5/8" X 7" FLOW PLUG	
11:30	200	0	3	50	H2O	REVERSE OUT CMT IN TUBING	
11:47	0	0	0	0	0	SHUTDOWN	
11:49	0	0	0	0	0	WASHUP CMT TO PIT	
12:25	0	0	0	0	0	FLOW PLUG REPAIRED	
						SCALES 14.7 PPG TRUCK 14.7 PPG	
12:29	455	0	.9	20	CMT	81 SACKS TYPE III NEAT CMT IN THE 13 5/8" PIPE	
12:51	280	0	1	6.1	CMT	25 SACKS TYPE III NEAT CMT IN THE 9 5/8" PIPE	
12:57	245	0	1	4	H2O	DISPLACE TO THE CMT RETAINER	
13:01	0	0	0	0	0	SHUTDOWN	
13:03	255	0	1.5	6.1	CMT	25 SACKS TYPE III CMT ON TOP OF THE CMT RETAINER	
13:09	144	0	1.5	3.5	H2O	DISPLACEMENT	
13:13	0	0	0	0	0	SHUTDOWN	
13:30	220	0	3.5	15	H2O	REVERSE OUT	
13:35	0	0	0	0	0	SHUTDOWN	
13:37	0	0	0	0	0	TURN WELL OVER TO WIRELINE	
14:45	196	0	2.8	20	H2O	ESTABLISH RATE IN THE 9 5/8" CASING AND THE 13 3/8" CASING	
14:59	75	0	1.8	15.6	CMT	14.6 PPG TYPE III NEAT CMT TOP OUT CMT	
15:15	0	0	0	0	0	CMT TO SURFACE ON THE 9 5/8 CASING AND THE 13 3/8" CASING	
15:30	0	0	0	0	0	RIG DOWN / FINISHED	



**CEMENT JOB REPORT**

PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES            4650 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	<u>SERVICE SUPERVISOR SIGNATURE:</u>
Y <input checked="" type="checkbox"/> N		Y <input checked="" type="checkbox"/> N	0	308	0	<input checked="" type="checkbox"/> Y    N	



## CEMENT JOB REPORT



<b>CUSTOMER</b> CCI PARADOX UPSTREAM LL		<b>DATE</b> 23-APR-15	<b>F.R. #</b> 1001152119		<b>SERV. SUPV.</b> Robert N Rasmussen							
<b>LEASE &amp; WELL NAME</b> Lisbon D-616 - API 43037150490000		<b>LOCATION</b> SEC 16, T30S,-R24E		<b>COUNTY-PARISH-BLOCK</b> San Juan Utah								
<b>DISTRICT</b> Farmington		<b>DRILLING CONTRACTOR RIG #</b>		<b>TYPE OF JOB</b> Plug & Abandon								
<b>SIZE &amp; TYPE OF PLUGS</b>		<b>LIST-CSG-HARDWARE</b>		<b>MECHANICAL BARRIERS MD TVD</b>		<b>HANGER TYPES MD TVD</b>						
<b>MATERIALS FURNISHED BY BJ</b>		<b>LAB REPORT NO.</b>		<b>PHYSICAL SLURRY PROPERTIES</b>								
				<b>SACKS OF CEMENT</b>	<b>SLURRY WGT PPG</b>	<b>SLURRY YLD FT</b>						
				<b>WATER GPS</b>	<b>PUMP TIME HR:MIN</b>	<b>Bbl SLURRY</b>						
				<b>Bbl MIX WATER</b>								
Fresh Water				8.34		10						
Class G		4409		45	16.1	1.11						
				4.64		8.9						
Fresh Water				8.34		24						
Fresh Water				8.34		10						
Class G				155	16.1	1.11						
				4.64		30.6						
Fresh Water				8.34		37						
<b>Available Mix Water</b> 400 Bbl.		<b>Available Displ. Fluid</b> 330 Bbl.		<b>TOTAL</b>		120.5						
						22.16						
<b>HOLE</b>			<b>TBG-CSG-D.P.</b>				<b>COLLAR DEPTHS</b>					
<b>SIZE</b>	<b>% EXCESS</b>	<b>DEPTH</b>	<b>ID</b>	<b>OD</b>	<b>WGT.</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>GRADE</b>	<b>SHOE</b>	<b>FLOAT</b>	<b>STAGE</b>
			6.184	7	29	CSG	9117	9117				
<b>LAST CASING</b>			<b>PKR-CMT RET-BR PL-LINER</b>			<b>PERF. DEPTH</b>		<b>TOP CONN</b>		<b>WELL FLUID</b>		
<b>ID</b>	<b>OD</b>	<b>WGT</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>BRAND &amp; TYPE</b>	<b>DEPTH</b>	<b>TOP</b>	<b>BTM</b>	<b>SIZE</b>	<b>THREAD</b>	<b>TYPE</b>
						NO PACKER	0			2.875	8 RND	OTHER
												10
<b>DISPL. VOLUME</b>		<b>DISPL. FLUID</b>		<b>CAL. PSI</b>	<b>CAL. MAX PSI</b>	<b>OP. MAX</b>	<b>MAX TBG PSI</b>		<b>MAX CSG PSI</b>		<b>MIX WATER</b>	
<b>VOLUME</b>	<b>UOM</b>	<b>TYPE</b>	<b>WGT.</b>	<b>BUMP PLUG</b>	<b>TO REV.</b>	<b>SQ. PSI</b>	<b>RATED</b>	<b>Operator</b>	<b>RATED</b>	<b>Operator</b>		
37	BBLS	Fresh Water	8.34	0	0	0	11160	8928	4360	3488	RIG	
		Fresh Water	8.34									
<b>EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE</b>												
<b>PRESSURE/RATE DETAIL</b>						<b>EXPLANATION</b>						
<b>TIME HR:MIN.</b>	<b>PRESSURE - PSI</b>		<b>RATE BPM</b>	<b>Bbl. FLUID PUMPED</b>	<b>FLUID TYPE</b>	<b>SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/></b>						
	<b>PIPE</b>	<b>ANNULUS</b>				<b>TEST LINES 4250 PSI</b>						
						<b>CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/></b>						
07:30	0	0	0	0	0	YARD CALL						
07:35	0	0	0	0	0	FIT FOR DUTY SAFETY MEETING						
07:45	0	0	0	0	0	OFF YARD						
10:45	0	0	0	0	0	ON LOCATION						
11:00	0	0	0	0	0	SPOT TRUCKS						
11:30	0	0	0	0	0	PRE RIG UP SAFETY MEETING						
11:45	0	0	0	0	0	RIG UP						
12:45	0	0	0	0	0	SAFETY MEETING WITH CO MAN AND RIG HANDS						
13:05	4250	0	0	0	H2O	PSI TEST						
13:07	730	0	2.9	10	H2O	FRESHWATER SPACER						
13:12	0	0	0	0	0	SHUTDOWN / BATCH UP						
13:18	0	0	0	0	CMT	SCALES 16.1 TRUCK 16.1						
13:19	581	0	2.3	20	CMT	100 SACKS 16.1 PPG CLASS G CMT WITH ADDS						
	0	0	0	0	0	PLUGGED 460 FEET, CHANGED PER CO MAN						
13:27	354	0	3.5	37	H2O	DISPLACEMENT						
13:38	0	0	0	0	0	SHUTDOWN						
14:03	606	0	3.5	60	H2O	REVERSE OUT						
17:30	0	0	0	0	0	DID NOT TAG CMT / LEFT LOCATION FOR THE NIGHT						
06:00	0	0	0	0	0	4/24/2015 YARD CALL						
07:15	0	0	0	0	0	ON LOCATION						

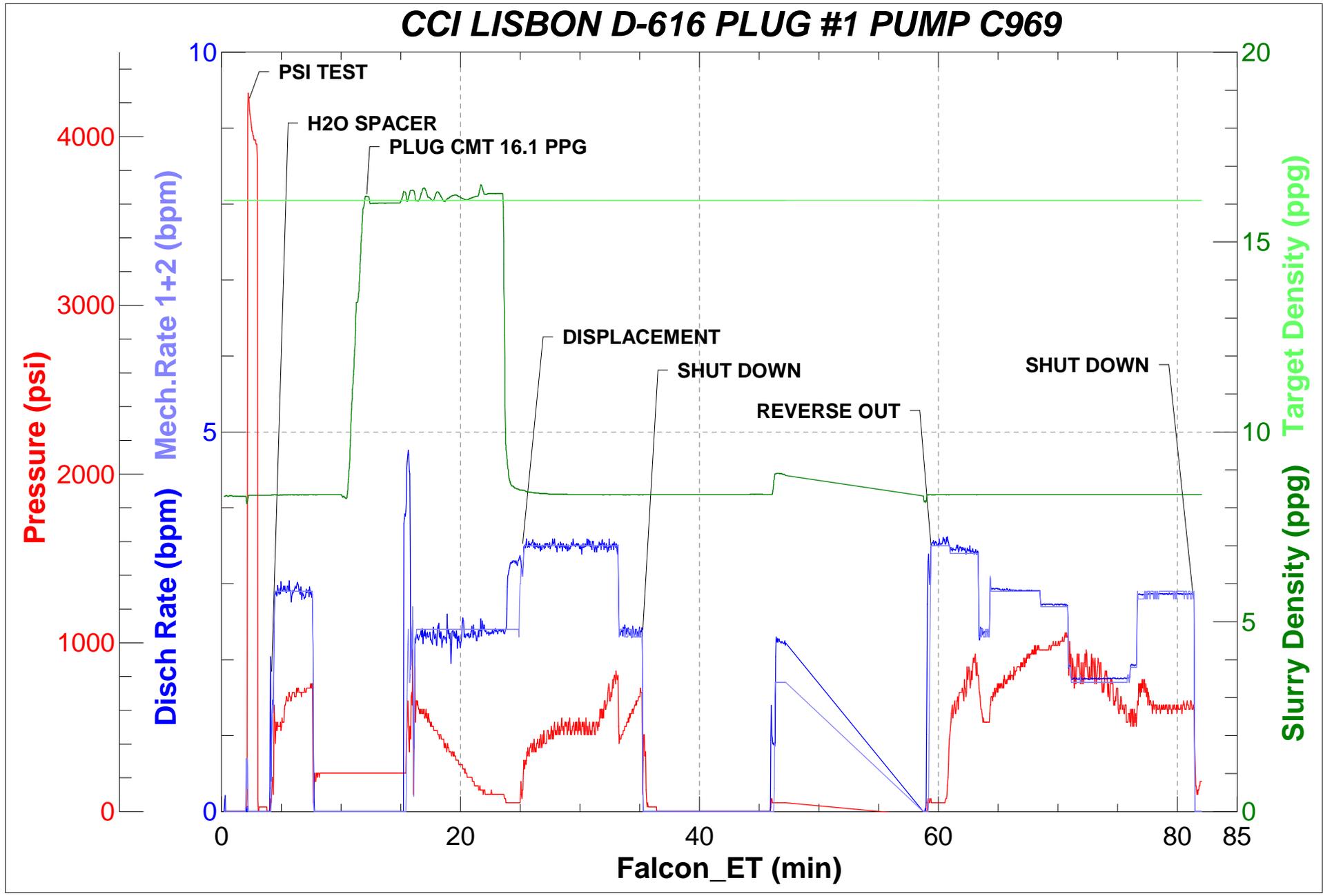
## CEMENT JOB REPORT



PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES 4250 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
08:00	0	0	0	0	0	TAGGED CMT AT 7534, CMT FEEL THROUGH TOOLS 200 FEET	
09:30	0	0	0	0	0	SAFETY MEETING WITH CO MAN AND RIG HANDS	
09:48	4300	0	0	0	0	PSI TEST	
09:51	379	0	3	10	H2O	H2O SPACER	
09:55	0	0	0	0	0	SHUTDOWN / BATCH UP	
	0	0	0	0	0	SCALES 16.2 PPG TRUCK 16.1 PPG	
10:01	253	0	2.3	10.1	CMT	55 SACKS G CMT WITH ADDS TO PLUG FROM 7534 TO 7284	
10:04	52	0	2.4	39	H2O	DISPLACEMENT	
10:20	0	0	0	0	0	SHUTDOWN / EQUALIZE	
10:37	850	0	3.5	72.6	H2O	REVERSE OUT	
11:01	0	0	0	0	0	SHUTDOWN / TURN WELL OVER TO RIG CREW	
11:52	0	0	0	0	0	PSI TEST	
11:57	27	0	3.6	10	H2O	H2O SPACER	
12:01	0	0	0	0	0	SHUTDOWN / BATCH UP	
	0	0	0	0	0	SCALES 16 PPG TRUCK 16.1 PPG	
12:05	127	0	2.4	9.3	CMT	16.1 PPG CMT 45 SACKS G CMT WITH ADDS PLUG FROM 4816 TO 4586	
12:09	52	0	3.6	24	H2O	DISPLACEMENT	
12:17	0	0	0	0	0	SHUTDOWN / TURN OVER TO RIG TO PULL TUBING	
12:27	932	0	3.6	43.9	H2O	REVERSE OUT	
12:44	0	0	0	0	0	SHUTDOWN	
16:30	0	0	0	0	0	DID NOT TAG CMT / RIG WILL TAG CMT MONDAY MORNING	
16:30	0	0	0	0	0	FINISHED	

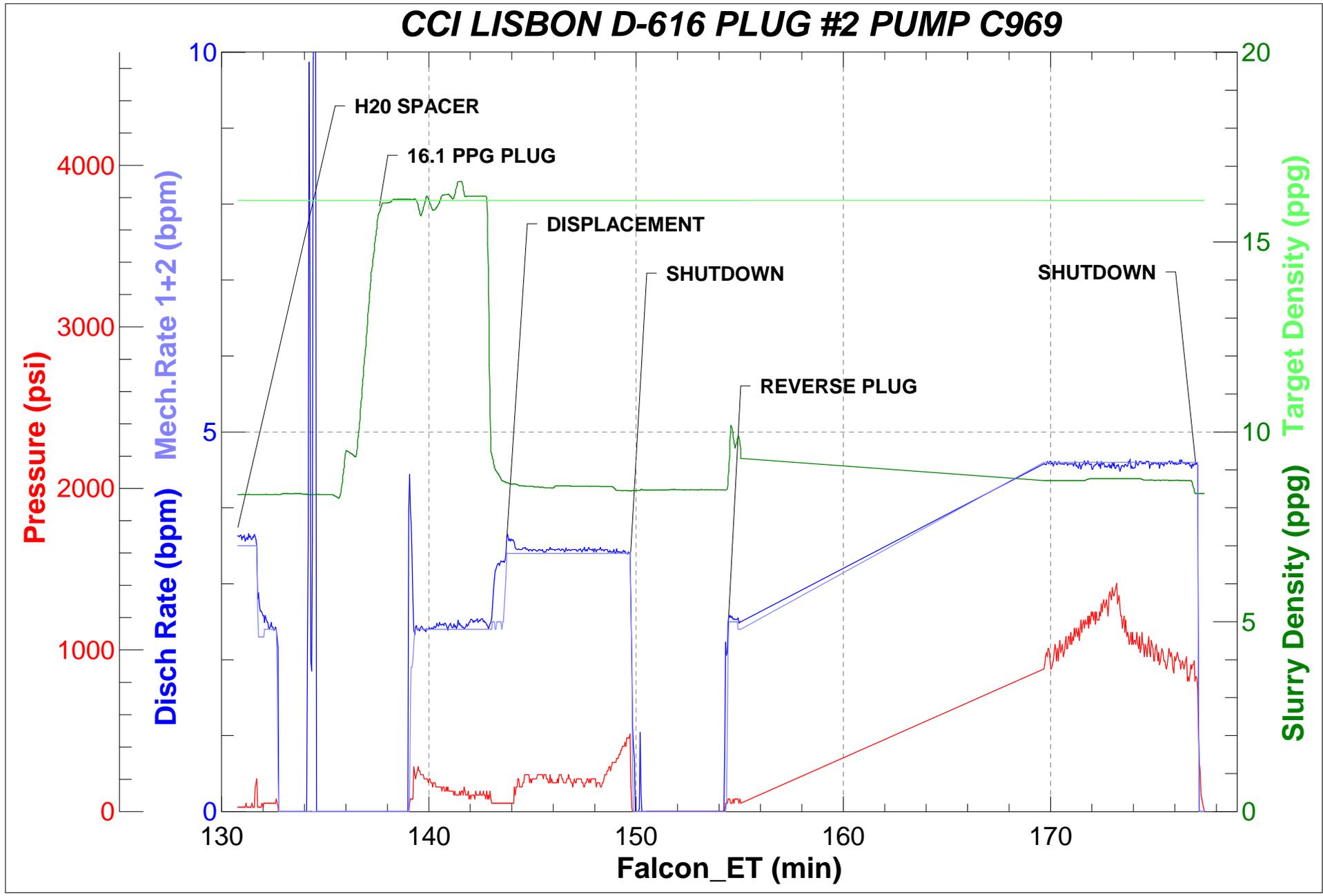
  

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	<u>SERVICE SUPERVISOR SIGNATURE:</u>
Y <input checked="" type="checkbox"/> N		Y <input checked="" type="checkbox"/> N	0	120.5	0	Y <input checked="" type="checkbox"/> N	





### CCI LISBON D-616 PLUG #2 PUMP C969





**CEMENTING LABORATORY REPORT**  
Lab Report #4409 / 4410

<b>COMPANY :</b>	Castleton	<b>DATE:</b>	April 13, 2015
<b>WELL NAME:</b>	Lisbon D-616	<b>LOCATION:</b>	0
<b>DISTRICT:</b>	Farmington	<b>TYPE JOB:</b>	Plug
<b>API #</b>	00-000-00000-0000	<b>TOC(md):</b>	
<b>DEPTH MD(ft):</b>	8,311 ft	<b>BHST(°F):</b>	188 /
<b>CASING SIZE("):</b>	7 in	<b>BHCT(°F):</b>	160 / 99
<b>TUBING SIZE("):</b>	2 7/8 in	<b>BHSqT(°F):</b>	
<b>HOLE SIZE("):</b>		<b>TOL (°F):</b>	Static      Circ

**SLURRY DESIGN DATA**

#1	Class G + .3% R-3 + .1% CD-32 + .1% FL-52 + .01 gl/sk FP-6L
#2	Type III + .01 gl/sk FP-6L
#3	

SLURRY PROPERTIES			#1		#2		#3	
Density : ppg			16.10		14.60			
Yield :cu.ft./sk.			1.11		1.37			
Mixing Water: gal/sk.			4.64		6.64			
Water Type:			Fresh		Fresh			
Testing Temperature :			160 °F		99 °F			
Thickening Time: hrs:mins.			4:42		2:25			
Free Fluid: %			0		0			
Fluid Loss: API F/L or Calculated			142.5	Calculated				
Compressive Strength:		destructive						
	24	hrs.						
	48	hrs.						
Rheologies	RPM		80 °F	160 °F	80 °F			
	300		184	150	80			
	200		133	112	72			
	100		77	67	62			
	60		53	49	56			
	30		33	34	52			
	6		15.7	18.7	22.8			
	3		14.3	17.9	17.6			
	PV		170	132	45			
	YP		18	22	42			
Gel Strength : #/100sq.ft.	10 sec.		16.6	19.5	15.1			
	10 min.		65.6	31.4	21.7			

**REMARKS :**

**COMMENTS:** The above data is supplied solely for informational purposes and Baker Hughes makes no guarantees or warranties, either express or implied, with respect to the accuracy or use of this data. All product warranties and guarantees shall be governed by the standard contract terms at the time of sale.



## Farmington, New Mexico District Laboratory Report

Report #: 4409 / 4410

### Customer/Well Information

Company:	Castleton	Depth MD:	8,311 ft	Date:	April 13, 2015
Well Name:	Lisbon D-616	Depth TVD:	8,311 ft	Prepared for:	Bryan Kang
API #:	00-000-00000	TOC(md):		Submitted by:	Kevin Welsh
Location:		Casing Size:	7 in	Prepared by:	Dave Rasmussen
District:	Farmington	Tubing Size:	2 7/8 in	Water Type:	Fresh
Type Job:	Plug	Hole size:			

BHST: 188 / BHCT: 160 / 99 BHSqT: °F

### Slurry Design Data

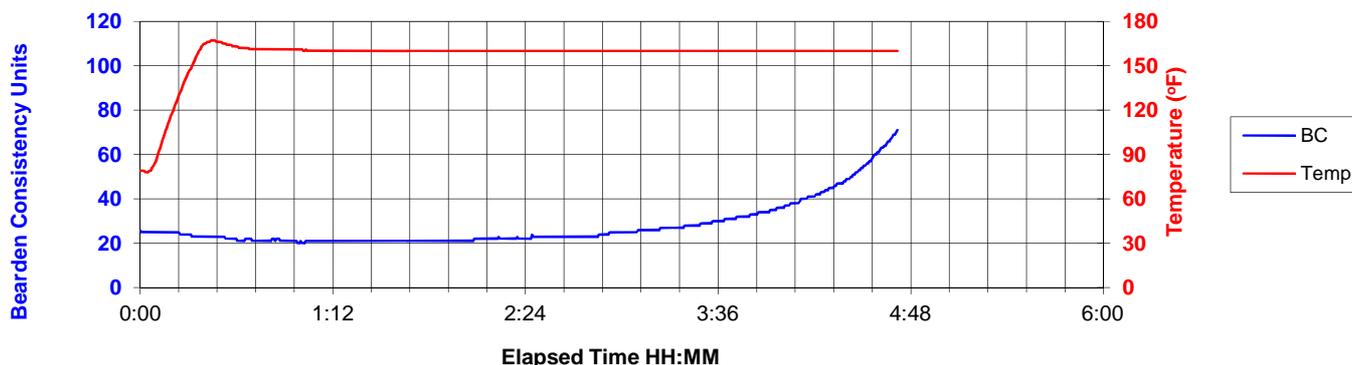
Class G + .3% R-3 + .1% CD-32 + .1% FL-52 + .01 gl/sk FP-6L

### Slurry Properties

Density:	16.1 ppg	Fluid Loss:	143 <i>Calculated</i>	Test Temp:	160 °F
Yield:	1.11 cf/sack	Free Water:	0.0 %	Time to 70bc:	4:42 hrs:min
Mix Water:	4.64 gps	Total Fluid:		Time to 100 bc:	

Rheology:	300 rpm	200 rpm	100 rpm	60 rpm	30 rpm	6 rpm	3 rpm	PV	YP	Gel Strength	
@80 °F	184	133	77	53	33	16	14	170	18	10 sec	10 min
@160 °F	150	112	67	49	34	19	18	132	22	17	66

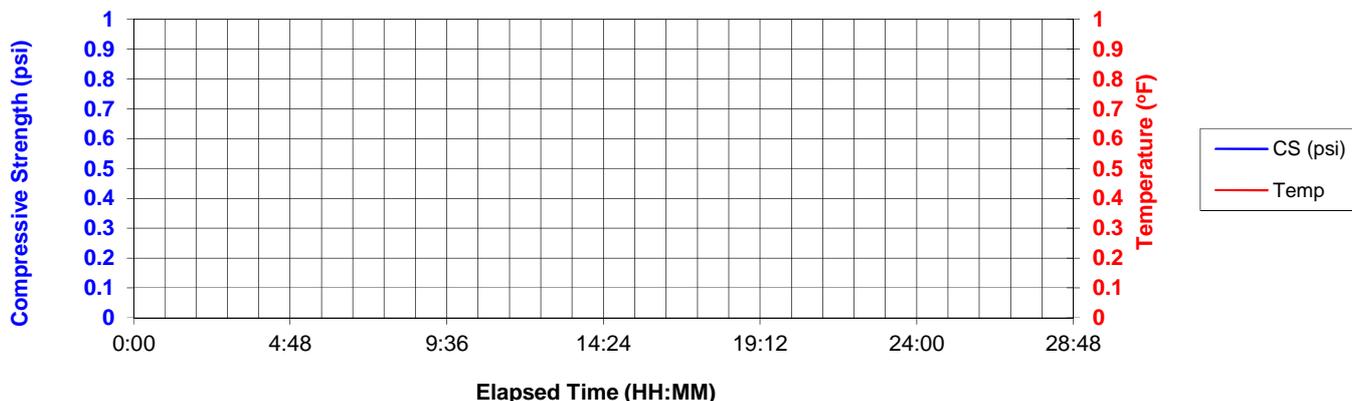
### Consistometer Recording of Bearden Consistency:



### Compressive Strength Data:

Temperature	12 hours	24 hours	36 hours	48 hours
25 psi				

### Ultrasonic Cement Analyzer Data Chart:



**Notice:** This report is presented in good faith based upon present day technology and information provided: but because of variable conditions and other information which must be relied upon, Baker Hughes, Inc. makes no warranty, express or implied, as to the accuracy of the data or of any calculations or opinions expressed herein. You agree that Baker Hughes, Inc. shall not be liable for any loss or damage, whether due to negligence or otherwise, arising out of or in connection with such data, calculations, or opinions.



## Farmington, New Mexico District Laboratory Report

Report #: 4409 / 4410

### Customer/Well Information

Company:	Castleton	Depth MD:	8,311 ft	Date:	April 13, 2015
Well Name:	Lisbon D-616	Depth TVD:	8,311 ft	Prepared for:	Bryan Kang
API #	00-000-00000	TOC(md):		Submitted by:	Kevin Welsh
Location:		Casing Size:	7 in	Prepared by:	Dave Rasmussen
District:	Farmington	Tubing Size:	2 7/8 in	Water Type:	Fresh
Type Job:	Plug	Hole size:			

BHST: 188 /      BHCT: 160 / 99      BHSqT: °F

### Slurry Design Data

Type III + .01 gl/sk FP-6L

### Slurry Properties

Density:	14.6 ppg	Fluid Loss:		Test Temp.:	99 °F
Yield:	1.37 cf/sack	Free Water:	0.0 %	Time to 70bc:	2:25 hrs:min
Mix Water:	6.64 gps	Total Fluid:		Time to 100 bc:	

Rheology:	300 rpm	200 rpm	100 rpm	60 rpm	30 rpm	6 rpm	3 rpm	PV	YP	Gel Strength	
@80 °F	80	72	62	56	52	23	18	45	42	10 sec	10 min
										15	22

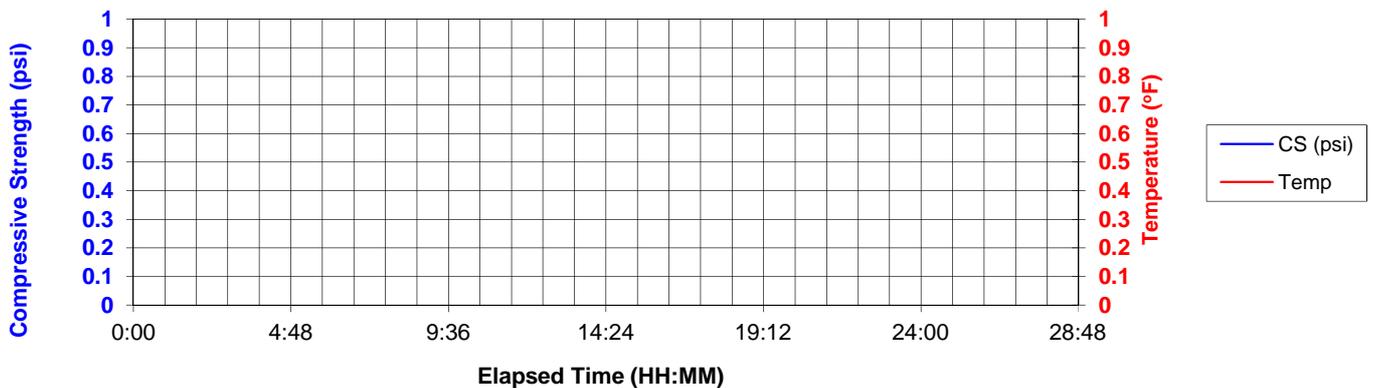
### Consistometer Recording of Bearden Consistency:



### Compressive Strength Data:

Temperature	12 hours	24 hours	36 hours	48 hours
25 psi				

### Ultrasonic Cement Analyzer Data Chart:



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<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-13692
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  
<b>2. NAME OF OPERATOR:</b> CCI PARADOX UPSTREAM, LLC		<b>7. UNIT or CA AGREEMENT NAME:</b> LISBON
<b>3. ADDRESS OF OPERATOR:</b> 811 Main Street, Suite 3500 , Houston, TX, 77002		<b>8. WELL NAME and NUMBER:</b> LISBON D-616
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FNL 0660 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 16 Township: 30.0S Range: 24.0E Meridian: S		<b>9. API NUMBER:</b> 43037150490000
<b>PHONE NUMBER:</b> 281 714-2949 Ext		<b>9. FIELD and POOL or WILDCAT:</b> LISBON
		<b>COUNTY:</b> SAN JUAN
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/30/2015	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="Pumping &amp; Tubing Pressure"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. CCI Paradox Upstream, LLC has gathered casing & tubing pressures for the month of April 2015 for all shut-in wells, please see the attached spreadsheet. Subsequent monthly reports of shut-in well casing and tubing pressures with be submitted on a monthly basis.		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          June 04, 2015</b>		
<b>NAME (PLEASE PRINT)</b> Ashley Noonan	<b>PHONE NUMBER</b> 720 319-6830	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/18/2015	

Utah  
CCI Paradox Upstream, LLC  
Shut- In Wells

Well Name	API	Casing Feb	Tubing Feb	Casing Mar	Tubing Mar	Casing Apr	Tubing Apr	Casing May	Tubing May	Casing Jun	Tubing Jun	Casing Jul	Tubing Jul	Casing Aug	Tubing Aug	Casing Sep	Tubing Sep	Casing Oct	Tubing Oct	Casing Nov	Tubing Nov	Casing Dec	Tubing Dec
BIG INDIAN UNIT 1	4303716219	480	2400	500	2400	520	2400																
BULL HORN U 10-43	4303731831	280	0	220	0	220	0																
LISBON B-616	4303716242	40	40	24	20	p&a	p&a																
LISBON B-84	4303730054	-4	101	4	100	-4	100																
LISBON B912	4303715769	1100	60	1125	60	1125	60																
LISBON B-94	4303730695	0	0	0	0	0	0																
LISBON C-69	4303716245	180	810	580	800	580	800																
LISBON C-910	4303731323	480	60	445	80	500	80																
LISBON C-94	4303716247	30	0	0	0	0	0																
LISBON C-99	4303730693	20	1000	45	1000	20	1000																
LISBON D-616	4303715049	0	15	Rig	Rig	p&a	p&a																
LISBON D-716	4303731034	8	1160	0	0	new AIG	new AIG																
LISBON D-84	4303716250	480	60	560	550	560	500																
LISBON D-89	4303716251	100	140	unable	unable	100	325																
FEDERAL 15-25	4303730317	380 Bottom/3300 Top	3300	3300	3200	700 bottom / 3350	3300																