Form DOGC-1a

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS

Bond No. 980F302-0

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. Lease Designation and Serial No.: Utah M.L. 13692

6. If Indian, Allottee or Tribe Name:

1a. Type of Work: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. Type of Well: Oil Well [X] Gas Well [ ] Other — Single Zone [X] Multiple Zone [ ]

7. Unit Agreement Name: Lisbon Unit

8. Farm or Lease Name: Lisbon Unit

2. Name of Operator: Union Oil Company of California

9. Well No.: D-716

3. Address of Operator: P. O. Box 2620 - Casper, WY 82602-2620

10. Field and Pool, or Wildcat: Lisbon

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface: 2240' FNL & 1325' FEL (SW NE)

11. Sec., T., R., M., or Blk. and Survey or Area

At proposed prod. zone: 2000' FNL & 1000' FEL (SE NE) — Sec. 16, T.30S., R.24E.

14. Distance in miles and direction from nearest town or post office*: 35 miles southeast of Moab, Utah

12. County or Parrish: San Juan — 13. State: Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)	16. No. of acres in lease	17. No. of acres assigned to this well
1325'	640	40
18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.	**19. Proposed depth**	**20. Rotary or cable tools**
1200'	8775'	Rotary

21. Elevations (Show whether DF, RT, GR, etc.): 6135' GR (Ungraded)

22. Approx. date work will start*: Immediately Upon Approval

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
17-1/2"	13-3/8"	48#	50'	10 sx.
12-1/4"	9-5/8"	36#	1000'	±600 sx.
8-3/4"	5-1/2"	17# & 20#	8775'	±525 sx.

PROPOSED DRILLING PROGRAM:
Drill 17-1/2" hole with rat-hole machine to 50'. Set and cement 13-3/8" conductor. Move in rotary rig. Drill 12-1/4" hole to 1000'. Run and cement 9-5/8" casing. Drill 8-3/4" hole to 8775'. Run logs and, if logs indicate production, run and cement 5-1/2" casing. Complete using 2-7/8" tubing.

The BOP will be operationally tested daily and each test logged.

RECEIVED
JUL 5 1984
DIVISION OF OIL GAS & MINING

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 7/6/84
BY:

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed: R. G. Ladd, Jr. Title: District Drilling Supt. Date: 7-2-84

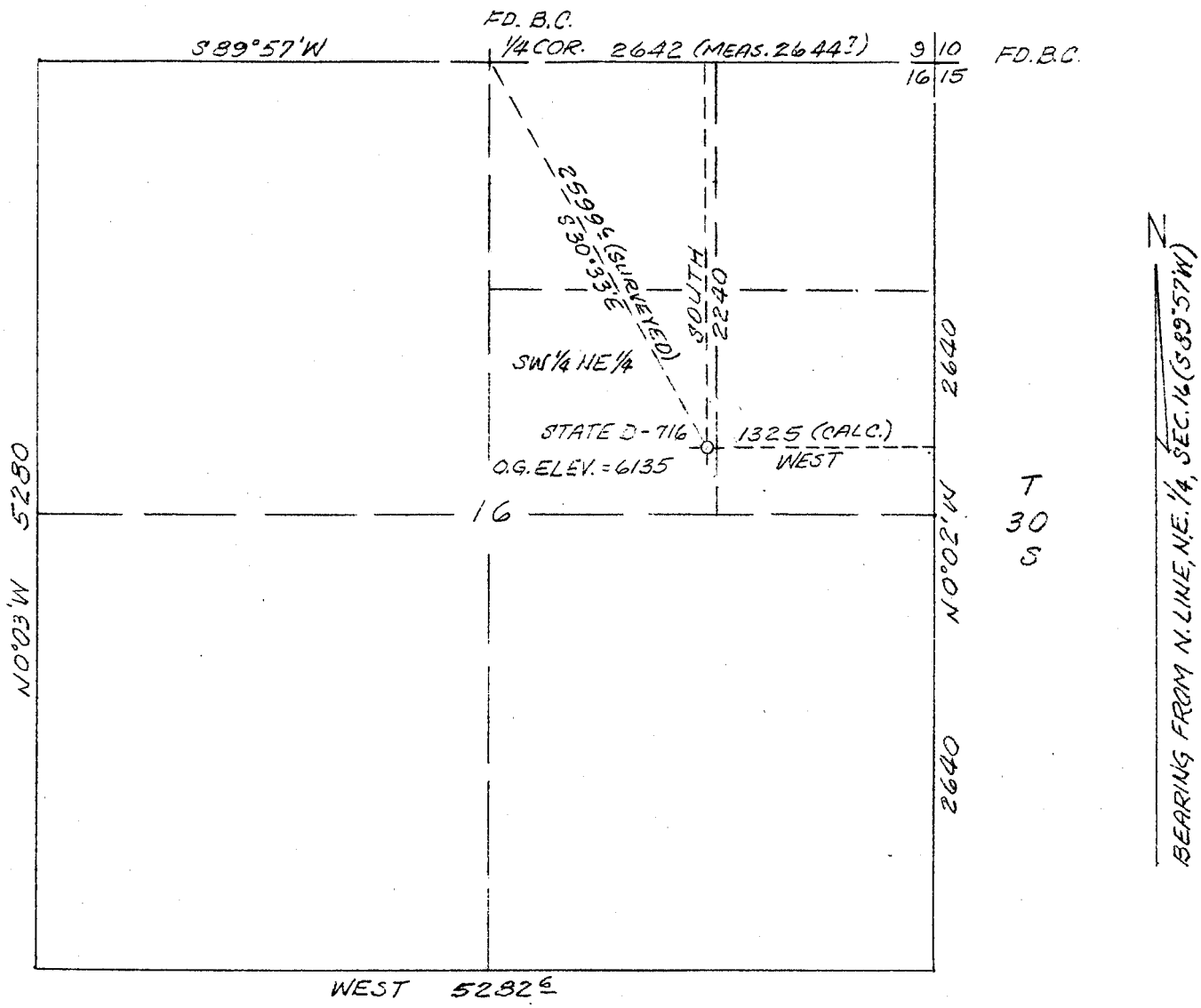
(This space for Federal or State office use)

Permit No. ..... Approval Date .....

Approved by ..... Title ..... Date .....
Conditions of approval, if any:

*See Instructions On Reverse Side

R 24 E



SECTION BOUNDARY CALLS
ARE RECORD G.L.O. 1921

WELL LOCATION PLAT OF
STATE D-716 IN
SW 1/4 NE 1/4, SEC. 16, T 30 S, R 24 E, S.L.B.&M
SAN JUAN COUNTY, UTAH
TRANSIT & E.D.M. SURVEY
FOR: UNION OIL COMPANY
SCALE: 1" = 1000' APRIL 11, 1984

ELEV. BY VER. ANGLES FROM U.S.G.S.
TOPO. QUAD. "HATCH ROCK, UTAH", 1954
(NE. COR., SEC. 16 = 6240)

REGISTERED LAND SURVEYOR
NO. 1963
JOHN EDGAR [illegible]
STATE OF UTAH

John E. Yeaw
UTAH R.L.S. No 1963

OPERATOR Union Oil Co. of California DATE 7-6-84

WELL NAME Lisbon Unit # D-716

Surface SEC SW NE 16 T 30S R 24E COUNTY San Juan

BHL SE NE

43-037-31034
API NUMBER

State - Unit well
TYPE OF LEASE

POSTING CHECK OFF:

☐ INDEX	☐ HL	☐
☐ NID	☐ PI	☐
☐ MAP	☐	☐

PROCESSING COMMENTS:

Unit Well

Need water permit

APPROVAL LETTER:

SPACING: ☑ A-3 Lisbon UNIT ☐ c-3-a CAUSE NO. & DATE

☐ c-3-b ☐ c-3-c

SPECIAL LANGUAGE:

1- Water

2- Directional drilling data

Well bore OK

cf 5-23-03

7/6/84

Arlene,

It seems that Union should have prepared a 10 pt. drilling program because this is a federal unit. Can we request a copy on approval letter?

JRB

- [x] RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.
- [x] AUTHENTICATE LEASE AND OPERATOR INFORMATION
- [x] VERIFY ADEQUATE AND PROPER BONDING
- [x] AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.
- [ ] APPLY SPACING CONSIDERATION
  - [ ] ORDER _____
  - [x] UNIT Ouston
  - [ ] c-3-b
  - [ ] c-3-c
- [x] CHECK DISTANCE TO NEAREST WELL.
- [ ] CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.
- [x] IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER
- [x] IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

July 6, 1984

Union Oil Company of California
P. O. Box 2620
Casper, Wyoming 82602-2620

RE: Well No. Lisbon Unit #D-716
Sec. 16, T. 30S, R. 24E
(Surf.) 2240' FNL, 1325' FEL (SWNE)
(BHL.) 2000' FNL, 1000' FEL (SENE)
San Juan County, Utah

Gentlemen:

Approval to drill the above referenced oil well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

2. Submittal of directional drilling data upon completion of drilling operations to properly ascertain the location of the producing formation.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.

2. Submittal to the Division of completed Form OGC-3-X, Report of Water Encountered During Drilling.

3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.

4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31034.

Sincerely,

R. J. Firth
Associate Director, Oil & Gas

RJF/as

cc: State Lands
Branch of Fluid Minerals

Enclosures

Form DOGC-1a

REC'D MDO JUL 12 1984

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS

Bond No. 980F302-0

5. Lease Designation and Serial No.
Utah M.L. 13692

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

6. If Indian, Allottee or Tribe Name

1a. Type of Work
DRILL [X] DEEPEN [ ] PLUG BACK [ ]

7. Unit Agreement Name
Lisbon Unit

b. Type of Well
Oil Well [X] Gas Well [ ] Other Single Zone [X] Multiple Zone [ ]

8. Farm or Lease Name
Lisbon Unit

2. Name of Operator
Union Oil Company of California

RECEIVED
JUL 23 1984
DIVISION OF OIL GAS & MINING

9. Well No.
D-716

3. Address of Operator
P. O. Box 2620 - Casper, WY 82602-2620

10. Field and Pool, or Wildcat
Lisbon

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface
2240' FNL & 1325' FEL (SW NE)

11. Sec., T., R., M., or Blk. and Survey or Area

At proposed prod. zone
2000' FNL & 1000' FEL

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

14. Distance in miles and direction from nearest town or post office*
35 miles southeast of Moab, Utah

12. County or Parrish 13. State
San Juan Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)	16. No. of acres in lease	17. No. of acres assigned to this well
1325'	640	40

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.	19. Proposed depth	20. Rotary or cable tools
1200'	8775'	Rotary

21. Elevations (Show whether DF, RT, GR, etc.)
6135' GR (Ungraded)

22. Approx. date work will start*
Immediately Upon Approval

23.
PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
17-1/2"	13-3/8"	48#	50'	10 sx.
12-1/4"	9-5/8"	36#	1000'	±600 sx.
8-3/4"	5-1/2"	17# & 20#	8775'	±525 sx.

PROPOSED DRILLING PROGRAM:
Drill 17-1/2" hole with rat-hole machine to 50'. Set and cement 13-3/8" conductor. Move in rotary rig. Drill 12-1/4" hole to 1000'. Run and cement 9-5/8" casing. Drill 8-3/4" hole to 8775'. Run logs and, if logs indicate production, run and cement 5-1/2" casing. Complete using 2-7/8" tubing.

The BOP will be operationally tested daily and each test logged.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.
Signed R. G. Ladd, Jr. Title District Drilling Supt. Date 7-2-84

(This space for Federal or State office use)

Permit No. ..... Approval Date .....

Approved by /S/ GENE NODINE Title DISTRICT MANAGER Date 19 JUL 1984

Conditions of approval, if any:

APPROVED FOR UNIT PURPOSES ONLY

*See Instructions On Reverse Side

W/OK
05-2108
T 59887

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API #43-037-31034

NAME OF COMPANY: UNION OIL COMPANY

WELL NAME: LISBON UNIT #D-716

SECTION SENE 16 TOWNSHIP 30S RANGE 24E COUNTY San Juan

DRILLING CONTRACTOR Coleman

RIG # 4

SPUDDED: DATE 8-25-84

TIME 5:00 AM

HOW Rotary

DRILLING WILL COMMENCE

REPORTED BY Peg

TELEPHONE # 307-234-1563

DATE 8-27-84 SIGNED AS

-0-

Form OGCC-1 b

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

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

RECEIVED
AUG 31 1984
DIVISION OF OIL GAS & MINING

2. NAME OF OPERATOR: Union Oil Company of California

3. ADDRESS OF OPERATOR: P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2240' FNL & 1325' FEL (SW NE)

5. LEASE DESIGNATION AND SERIAL NO.: Utah M.L. 13692

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: Lisbon Unit

8. FARM OR LEASE NAME: Lisbon Unit

9. WELL NO.: D-716

10. FIELD AND POOL, OR WILDCAT: Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 16, T.30S., R.24E.

14. PERMIT NO.: API No. 43-037-31034

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6135' GR (Ungraded)

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) SPUD NOTICE			[X]
(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.) *

MIRU Coleman Drilling Company's rotary rig No. 4. Spudded 12-1/4" hole at 5:00 a.m., 8-25-84. Drilled to 1003'. Circulated. TOOH, laying down bottom-hole assembly.

Ran and cemented 26 jts. and 1 piece (987.03') of 9-5/8", 36#, K-55, ST&C, 8RD, new, seamless casing at 1001.03' (float collar at 937.21') with 600 sacks of cement. Preceded cement with 5 bbls. water, 10 bbls. Flo-Chex w/5# walnut hulls per bbl., then 5 bbls. water. Displaced cement with 72 bbls. water at 6 bpm. Bumped plug with 1100 psi. Circulated 190 sacks of cement to surface. Released pressure and float held, O.K. Max. PDP 400#. C.I.P. & J.C. at 10:00 p.m. on 8-27-84. W.O.C.

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

SIGNED R. G. Ladd, Jr. TITLE District Drilling Supt. DATE 8-28-84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form OGCC-1 b

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

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.)

RECEIVED
OCT 01 1984
DIVISION OF OIL
GAS & MINING

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

2. NAME OF OPERATOR: Union Oil Company of California

3. ADDRESS OF OPERATOR: P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface: 2240' FNL & 1325' FEL (SW NE)

5. LEASE DESIGNATION AND SERIAL NO.: Utah M.L. 13692

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: Lisbon Unit

8. FARM OR LEASE NAME: Lisbon Unit

9. WELL NO.: D-716

10. FIELD AND POOL, OR WILDCAT: Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 16, T.30S., R.24E.

14. PERMIT NO.: API No. 43-037-31034

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6135' GR (Ungraded)

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) SUPPLEMENTARY WELL HISTORY			[X]
(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.) *

Nippled up 9-5/8" casing head and N.U. BOP. Tested blind rams to 1000 psi for 1/2 hour, O.K. TIH and tested pipe rams to 1000 psi/1/2 hour, O.K. Drilling ahead at 7523' on 9-24-84.

Deviation Surveys: 1°N.59°E. @ 1422', 6°N.54°E. @ 4253', 5-1/2°N.57°E. @ 4316', 8°N. 42°E. @ 5808', 2°S.77°W. @ 7503'

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

SIGNED R. G. Ladd, Jr. TITLE District Drilling Supt. DATE 9-25-84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form OGCC-1 b

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

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.)

RECEIVED
OCT 12 1984
DIVISION OF OIL GAS & MINING

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

2. NAME OF OPERATOR: Union Oil Company of California

3. ADDRESS OF OPERATOR: P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface: 2240' FNL & 1325' FEL (SW NE)

5. LEASE DESIGNATION AND SERIAL NO.: Utah M.L. 13692

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: Lisbon Unit

8. FARM OR LEASE NAME: Lisbon Unit

9. WELL NO.: D-716

10. FIELD AND POOL, OR WILDCAT: Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 16, T.30S., R.24E.

14. PERMIT NO.: API No. 43-037-31034

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6135' GR (Ungraded)

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) MOVE IN REPLACEMENT RIG FOR COMPLETION OPERATIONS			[X]	(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.) *

8794' T.D.

PROPOSED COMPLETION PROCEDURE:

1. MIRU completion unit. Install BOP.
2. RIH with 4-5/8" bit and drill collars on 2-7/8" tubing. Test casing to 3000 psi. Drill out DV tool at 8155'. Clean out to 8750'.
3. Circulate hole with 3% KCl water. Spot 200 gals. 15% HCl with non-emulsifier and low surface tension additives from 8410-8625'. POOH.
4. Run PDC log and perforate Mississippian 8476-8508', 8513-8522', 8531-8571', 8577-8603', and 8606-8617' with 4 spf using casing gun.
5. TIH with production packer and gas lift valves. Set packer at 8375' and N.U. Xtree.
6. Treat Mississippian perforations 8476-8508', 8513-8522', 8531-8571', 8577-8603', and 8606-8617' with 12,000 gals. 15% HCl acid with non-emulsifiers and low surface tension additives, maintaining injection pressure below 1800 psi in twelve 1000-gal. stages, diverting with rock salt and benzoic acid flakes.
7. Swab test well.
8. Release completion unit and place on production.

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

SIGNED R. G. Ladd, Jr. TITLE District Drilling Supt. DATE 10-10-84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 10/18/84
BY: John R. Baza

*See Instructions on Reverse Side

Form OGCC-1 b

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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RECEIVED
OCT 12 1984
DIVISION OF OIL GAS & MINING

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

2. NAME OF OPERATOR: Union Oil Company of California

3. ADDRESS OF OPERATOR: P. O. Box 2620 - Casper, WY 82602-2620

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: Lisbon Unit

8. FARM OR LEASE NAME: Lisbon Unit

9. WELL NO.: D-716

10. FIELD AND POOL, OR WILDCAT: Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 16, T.30S., R.24E.

14. PERMIT NO.: API No. 43-037-31034

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6135' GR (Ungraded)

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) SUPPLEMENTARY WELL HISTORY			[X]
(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.) *

Drilled to 8794' T.D. at 11:30 a.m., 10-4-84. Circulated. Ran DLL-MSFL w/GR and Caliper, LDT-CNL w/GR and Caliper, and Sonic Log. TIH with bit with no fill. POOH, laying down D.P. and D.C's.

Ran and cemented 215 joints and 1 piece (8779.90') of 5-1/2", 17# & 20#, K-55 & L-80, ST&C and LT&C, 8RD, new, seamless casing at 8793.90' (top of diff. fill float collar at 8750.93' and D.V. tool at 8155.45') with 1315 sacks of cement in two stages as follows: Cemented first stage with 215 sacks of class "H" cement. Preceded cement with 10 bbls. water with 20 bbls. Super-Flush, followed by 5 bbls. water. Displaced with 200 bbls. 10.6#/gal. mud. Maximum PDP 500 psi. Bumped plug with 900 psi and float held O.K. Had good returns throughout job. P.D. at 5:30 a.m., 10-6-84. Dropped plug to open DV tool. Opened DV tool with 1800 psi. Circulated 2-1/2 hours. Cemented second stage with 1000 sacks Howco-Lite cement, followed by 100 sacks class "H" cement. Preceded cement with 10 bbls. water followed by 10 bbls. Super-Flush. Displaced with 186-1/2 bbls. fresh water. Maximum PDP 1600#. Closed D.V. tool with 3200 psi pressure. Released pressure with no flow back. Had no cement returns from first or second stage to surface. C.I.P. & J.C. at 11:00 a.m., 10-6-84. Set slips and cut off casing. Released rig at 2:00 p.m., 10-6-84. W.O.C.U.

(Deviation Surveys: 1-1/2°S.48°W. @ 7717', 2°S.59°W. @ 8123', 1-1/4°S.63°W. @ 8694')

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

SIGNED R. G. Ladd, Jr. TITLE District Drilling Supt. DATE 10-9-84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

GREAT LAND DIRECTIONAL DRILLING INC.

REPORT OF SUB-SURFACE DIRECTIONAL SURVEY

UNION OIL COMPANY
COMPANY

LISBON UNIT D - 716
WELL NAME

SAN JUAN COUNTY, UTAH
LOCATION

RM08-84-D102	SINGLE SHOT	OCTOBER 8, 1984
JOB NUMBER	TYPE SURVEY	DATE

THIS IS A RECORD OF A SUB-SURFACE SURVEY OF YOUR WELL

We have retained a copy of your survey report in our files for your convenience; however, should you so desire, all copies of the survey report will be forwarded to you on written request. All surveys are kept in a locked file and are held in strictest confidence. Additional copies of your survey report can be made from the original by any blueprint company.

GREATLAND DIRECTIONAL DRILLING COMPLETION REPORT

COMPUTED ON 10-8-84 USING RADIUS OF CURVATURE TECHNIQUE
FROM SURVEY DATA TAKEN
FINAL CLOSURE DIRECTION N 53.56 E
SINGLE SHOT SURVEY

UNION OIL COMPANY OF CALIFORNIA
LISBON UNIT D-716

RECORD OF SURVEY
(WELL ASSUMED VERTICAL TO 500.0)

MEAS DEPTH	DRIFT DG	DRIFT MN	TRUVERT DEPTH	SUBSEA DEPTH	SECTION DIST	DIRECTION ANGLE	RELATIVE COORDINATES FROM WELL-HEAD		CLOSURE DISTANCE	CLOSURE DG	CLOSURE MN	CLOSURE S	DOG LEG deg/100
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0.000
500	0	0	500.00	500.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0.000
1027	0	15	1027.00	1027.00	1.13	N 42.00 E	0.85 N	0.77 E	1.15	N 42	0	0 E	0.047
1227	1	0	1226.99	1226.99	3.29	N 51.00 E	2.35 N	2.35 E	3.33	N 44	56	46 E	0.375
1422	1	0	1421.96	1421.96	6.69	N 59.00 E	4.31 N	5.14 E	6.70	N 50	1	42 E	0.001
1726	1	45	1725.87	1725.87	13.97	N 47.00 E	8.69 N	10.95 E	13.98	N 51	34	33 E	0.247
1947	2	0	1946.75	1946.75	21.19	N 56.00 E	13.18 N	16.60 E	21.20	N 51	32	60 E	0.113
2126	2	15	2125.62	2125.62	27.82	N 51.00 E	17.13 N	21.94 E	27.83	N 52	0	53 E	0.140
2336	2	0	2335.48	2335.48	35.60	N 50.00 E	22.08 N	27.95 E	35.62	N 51	41	1 E	0.119
2523	2	0	2522.37	2522.37	42.12	N 53.00 E	26.15 N	33.05 E	42.14	N 51	39	19 E	0.002
2741	2	45	2740.18	2740.18	51.15	N 50.00 E	31.77 N	40.12 E	51.18	N 51	37	40 E	0.344
2834	2	45	2833.07	2833.07	55.61	N 55.00 E	34.48 N	43.66 E	55.64	N 51	41	52 E	0.012
2992	2	45	2990.89	2990.89	63.18	N 50.00 E	39.10 N	49.67 E	63.21	N 51	47	38 E	0.007
3233	3	0	3231.58	3231.58	75.23	N 48.00 E	47.03 N	58.80 E	75.29	N 51	20	44 E	0.1
3357	3	30	3355.38	3355.38	82.25	N 52.00 E	51.55 N	64.18 E	82.32	N 51	13	50 E	0.403
3482	3	30	3480.15	3480.15	89.88	N 53.00 E	56.19 N	70.23 E	89.95	N 51	20	18 E	0.003
3605	3	30	3602.92	3602.92	97.39	N 52.00 E	60.76 N	76.19 E	97.45	N 51	25	40 E	0.003
3730	4	0	3727.65	3727.65	105.56	N 55.00 E	65.62 N	82.76 E	105.62	N 51	35	17 E	0.400
3853	4	0	3850.35	3850.35	114.14	N 53.00 E	70.67 N	89.70 E	114.19	N 51	46	10 E	0.008
3978	4	0	3975.05	3975.05	122.86	N 55.00 E	75.79 N	96.76 E	122.91	N 51	55	39 E	0.008
4101	5	0	4097.67	4097.67	132.51	N 53.00 E	81.46 N	104.56 E	132.55	N 52	4	42 E	0.813
4163	5	30	4159.41	4159.41	138.18	N 50.00 E	85.00 N	109.00 E	138.22	N 52	3	17 E	0.808
4253	6	0	4248.96	4248.96	147.19	N 54.00 E	90.55 N	116.11 E	147.24	N 52	3	5 E	0.558
4316	5	30	4311.64	4311.64	153.50	N 57.00 E	94.12 N	121.31 E	153.54	N 52	11	35 E	0.795
4407	5	45	4402.20	4402.20	162.41	N 53.00 E	99.24 N	128.61 E	162.45	N 52	20	49 E	0.278
4551	5	45	4545.48	4545.48	176.84	N 53.00 E	107.92 N	140.14 E	176.87	N 52	24	1 E	0.000
4642	6	0	4636.00	4636.00	186.15	N 55.00 E	113.39 N	147.67 E	186.18	N 52	28	49 E	0.276
4746	6	45	4739.35	4739.35	197.70	N 53.00 E	120.18 N	157.01 E	197.73	N 52	34	8 E	0.722

LISBON UNIT D-716

10-8-84

RECORD OF SURVEY

MEAS DEPTH	DRIFT DG	DRIFT MN	TRUVERT DEPTH	SUBSEA DEPTH	SECTION DIST	DIRECTION ANGLE	RELATIVE COORDINATES FROM WELL-HEAD		CLOSURE DISTANCE	CLOSURE DG	CLOSURE MN	CLOSURE S	CLOSURE	DOG LEG deg/100
5146	7	15	5136.37	5136.37	246.42	N 51.00 E	150.19 N	195.42 E	246.47	N	52	27	23 E	0.125
5277	7	15	5266.32	5266.32	262.91	N 48.00 E	160.93 N	207.99 E	262.98	N	52	16	15 E	0.036
5403	7	0	5391.35	5391.35	278.40	N 44.00 E	171.78 N	219.23 E	278.52	N	51	55	11 E	0.204
5517	7	0	5504.50	5504.50	292.08	N 43.00 E	181.86 N	228.80 E	292.27	N	51	31	15 E	0.01
5643	7	15	5629.53	5629.53	307.36	N 40.00 E	193.56 N	239.15 E	307.67	N	51	0	52 E	0.202
5808	8	0	5793.07	5793.07	328.73	N 42.00 E	210.08 N	253.51 E	329.25	N	50	21	7 E	0.455
5900	8	0	5884.17	5884.17	341.28	N 42.00 E	219.60 N	262.08 E	341.92	N	50	2	25 E	0.000
5961	8	15	5944.56	5944.56	349.71	N 41.00 E	226.06 N	267.79 E	350.45	N	49	49	52 E	0.411
5992	7	45	5975.26	5975.26	353.92	N 41.00 E	229.31 N	270.62 E	354.71	N	49	43	26 E	1.613
6023	7	30	6005.98	6005.98	357.94	N 42.00 E	232.39 N	273.35 E	358.78	N	49	37	48 E	0.808
6054	7	15	6036.73	6036.73	361.80	N 37.00 E	235.46 N	275.88 E	362.70	N	49	31	10 E	0.846
6085	7	0	6067.49	6067.49	365.48	N 37.00 E	238.53 N	278.19 E	366.46	N	49	23	21 E	0.806
6116	6	45	6098.26	6098.26	369.06	N 39.00 E	241.46 N	280.48 E	370.09	N	49	16	33 E	0.811
6147	6	45	6129.05	6129.05	372.57	N 37.00 E	244.33 N	282.72 E	373.67	N	49	9	59 E	0.089
6210	6	15	6191.64	6191.64	379.26	N 30.00 E	250.27 N	286.66 E	380.53	N	48	52	36 E	0.805
6245	6	0	6226.44	6226.44	382.65	N 27.00 E	253.55 N	288.44 E	384.04	N	48	40	58 E	0.720
6275	5	45	6256.29	6256.29	385.42	N 29.00 E	256.26 N	289.88 E	386.91	N	48	31	20 E	0.836
6334	5	30	6315.00	6315.00	390.63	N 27.00 E	261.37 N	292.59 E	392.33	N	48	13	34 E	0.425
6395	5	15	6375.73	6375.73	395.79	N 29.00 E	266.41 N	295.28 E	397.70	N	47	56	29 E	0.411
6488	5	15	6468.34	6468.34	403.46	N 27.00 E	273.93 N	299.27 E	405.71	N	47	31	54 E	0.01
6583	4	30	6563.00	6563.00	410.34	N 17.00 E	281.40 N	302.29 E	413.00	N	47	2	58 E	0.7
6643	4	0	6622.84	6622.84	414.00	N 21.00 E	285.61 N	303.74 E	416.93	N	46	45	44 E	0.834
6740	3	30	6719.63	6719.63	419.05	N 12.00 E	291.68 N	305.54 E	422.41	N	46	19	44 E	0.517
6827	3	15	6806.48	6806.48	421.96	N 15.00 W	296.76 N	305.41 E	425.84	N	45	49	23 E	0.304
6917	2	45	6896.35	6896.35	423.13	N 29.00 W	301.11 N	303.65 E	427.63	N	45	14	24 E	0.557
7010	2	30	6989.26	6989.26	423.28	N 40.00 W	304.62 N	301.24 E	428.41	N	44	40	49 E	0.270
7102	2	15	7081.18	7081.18	422.32	N 62.00 W	307.00 N	298.29 E	428.05	N	44	10	32 E	0.274
7658	2	0	7636.79	7636.79	405.46	S 48.00 W	304.64 N	279.08 E	413.15	N	42	29	32 E	0.048
7717	1	30	7695.77	7695.77	403.67	S 48.00 W	303.44 N	277.74 E	411.36	N	42	28	6 E	0.847
8005	1	45	7983.65	7983.65	395.54	S 48.00 W	297.97 N	271.67 E	403.23	N	42	21	23 E	0.087
8123	2	0	8101.59	8101.59	391.69	S 59.00 W	295.68 N	268.57 E	399.45	N	42	14	58 E	0.212
8218	1	45	8196.54	8196.54	388.60	S 60.00 W	294.10 N	265.89 E	396.48	N	42	6	59 E	0.263
8330	1	15	8308.50	8308.50	385.68	S 60.00 W	292.64 N	263.35 E	393.69	N	41	59	7 E	0.446
8585	1	15	8563.44	8563.44	380.24	S 70.00 W	290.29 N	258.32 E	388.58	N	41	39	54 E	0.002
8694	1	15	8672.41	8672.41	377.92	S 63.00 W	289.34 N	256.14 E	386.43	N	41	31	1 E	0.003

LISBON UNIT D-716 10-8-84

DATA INTERPOLATED FOR EVEN 100 FEET OF SUBSEA DEPTH

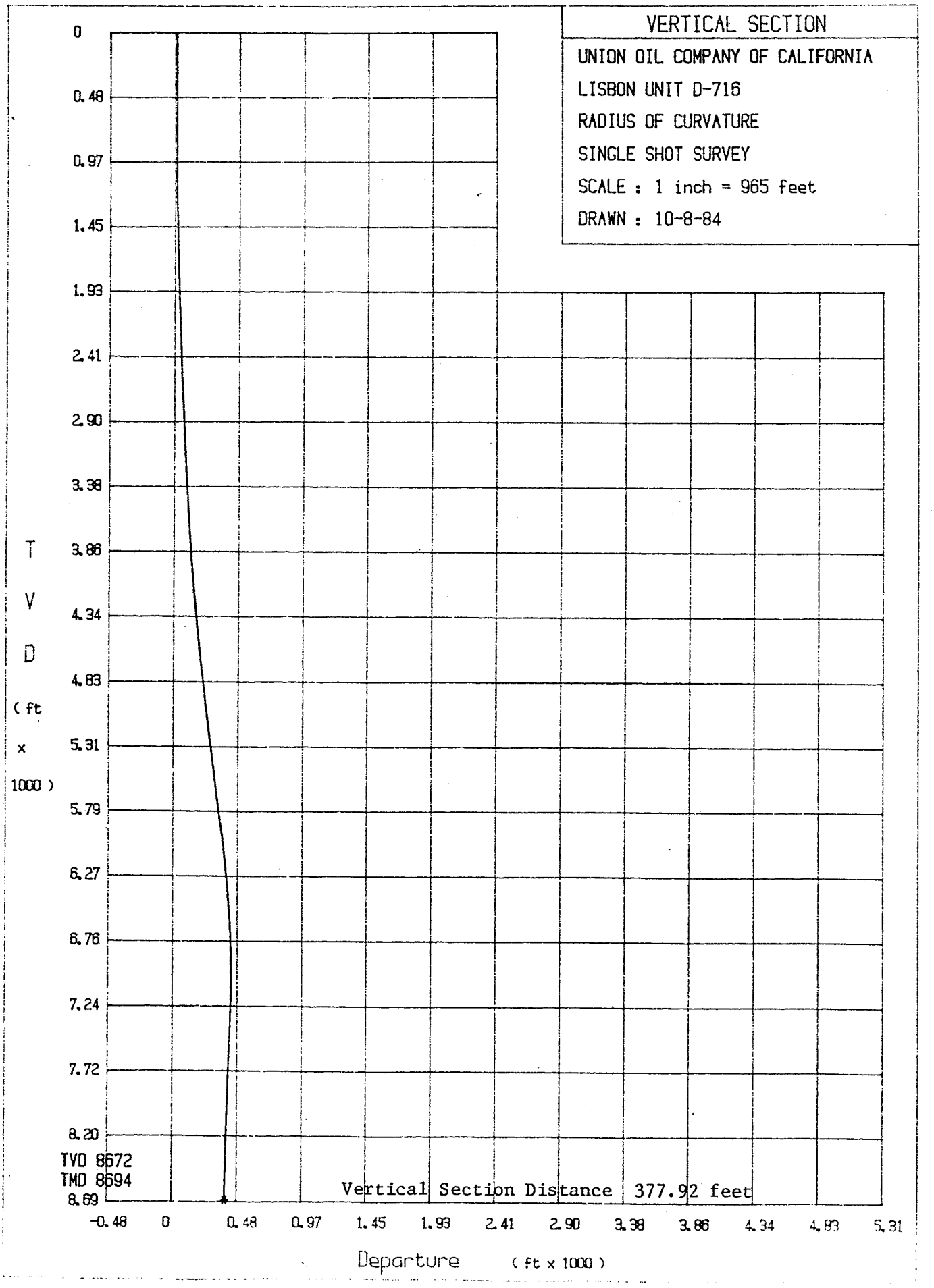
MEAS. DEPTH	TRU VERT DEPTH	SUB SEA DEPTH	MD-TVD DIFF.	VERTICAL CORRECT	RELATIVE COORDINATES FROM WELL-HEAD	
6167	6149	6149	18	18	246.22 N	284.09 E
6268	6249	6249	19	1	255.64 N	289.47 E
6368	6349	6349	19	0	264.26 N	294.03 E
6469	6449	6449	20	1	272.35 N	298.46 E
6569	6549	6549	20	0	280.34 N	301.96 E
6669	6649	6649	20	0	287.30 N	304.35 E
6769	6749	6749	20	0	293.44 N	305.77 E
6870	6849	6849	21	1	298.96 N	304.68 E
6970	6949	6949	21	0	303.20 N	302.34 E
7070	7049	7049	21	0	306.33 N	299.39 E
7170	7149	7149	21	0	308.07 N	295.87 E
7270	7249	7249	21	0	308.93 N	292.14 E
7370	7349	7349	21	0	308.95 N	288.39 E
7470	7449	7449	21	0	308.14 N	284.80 E
7570	7549	7549	21	0	306.57 N	281.54 E
7670	7649	7649	21	0	304.36 N	278.77 E
7770	7749	7749	21	0	302.49 N	276.69 E
7870	7849	7849	21	0	300.63 N	274.63 E
7970	7949	7949	21	0	298.67 N	272.45 E
8070	8049	8049	21	0	296.50 N	270.20 E
8170	8149	8149	21	0	294.85 N	267.20 E
8270	8249	8249	21	0	293.35 N	264.60 E
8371	8349	8349	22	1	292.18 N	262.60 E
8471	8449	8449	22	0	290.98 N	260.78 E
8571	8549	8549	22	0	289.65 N	259.05 E
8671	8649	8649	22	0	289.57 N	256.60 E

LISBON UNIT D-716 10-8-84

DATA INTERPOLATED FOR EVEN 1000 FEET OF MEASURED DEPTH

MEAS. DEPTH	TRU VERT DEPTH	SUB SEA DEPTH	RELATIVE COORDINATES FROM WELL-HEAD	
1000	1000	1000	0.95 N	0.35 W
2000	2000	2000	14.26 N	18.15 E
3000	2999	2999	39.34 N	49.97 E
4000	3997	3997	76.70 N	98.04 E
5000	4992	4992	138.84 N	181.21 E
6000	5983	5983	230.12 N	271.33 E
7000	6979	6979	304.28 N	301.52 E
8000	7979	7979	298.07 N	271.78 E

Great Land Directional Drilling



Great Land Directional Drilling

Notes :

All values in feet.
Depths shown are TVD.

Closure: 386 ft at N 41 deg 31 min E

Bottom hole:
TVD 8672
TMD 8694

Magnetic declination: 14 deg E

HORIZONTAL VIEW

UNION OIL COMPANY OF CALIFORNIA

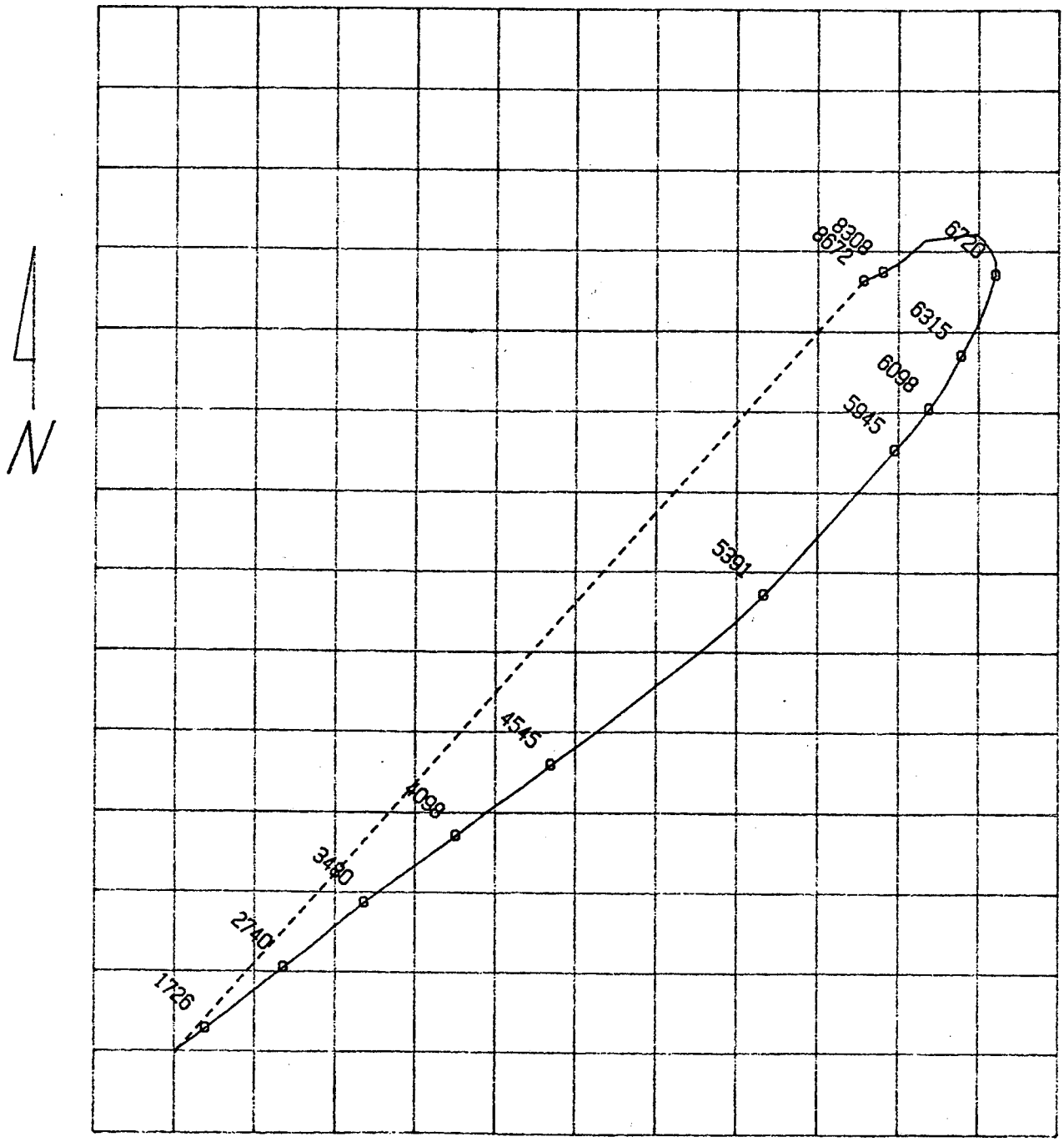
LISBON UNIT D-716

RADIUS OF CURVATURE

SINGLE SHOT SURVEY

SCALE : 1 inch = 60 feet

DRAWN : 10-8-84



Form OGCC-1 b

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

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

RECEIVED
OCT 29 1984
DIVISION OF OIL GAS & MINING

2. NAME OF OPERATOR: Union Oil Company of California

3. ADDRESS OF OPERATOR: P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2240' FNL & 1325' FEL (SW NE)

5. LEASE DESIGNATION AND SERIAL NO.: Utah M.L. 13692

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: Lisbon Unit

8. FARM OR LEASE NAME: Lisbon Unit

9. WELL NO.: D-716

10. FIELD AND POOL, OR WILDCAT: Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 16, T.30S., R.24E.

14. PERMIT NO.: API 43-037-31034

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6135' GR (Ungraded)

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) SUPPLEMENTARY WELL HISTORY			[X]
(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.) *

8794' T.D.

MIRU well service unit on 10-11-84. N.U. wellhead and BOP. RIH with 4-5/8" bit and twelve 3-1/2" drill collars on 2-7/8" tubing and tagged cement at 8040'. Drilled 110' cement and D.V. tool at 8155'. Pressure tested casing to 3000 psi for 1/2 hr., OK. Finished TIH to 8710' ETD. Circulated hole clean. Pulled up to 8120' and circulated hole with 3% KCl water. Spotted 200 gals. 15% HCl acid with NE & LST additives, double inhibited, from 8417-8625'. POOH with 2-7/8" tubing, laying down drill collars and bit.

Perforated Mississippian formation from 8476-8508', 8513-8522', 8531-8571', 8577-8603', and 8606-8617' with 4 spf with 4" casing jet. Picked up 2-7/8" x 5-1/2", Model "R" packer and 2-7/8" seating nipple on 2-7/8" tubing with five gas lift mandrels. TIH, hydrotesting tubing to 4500 psi, and set down at 8155'. Pulled free with 20,000#. TOOH, laying down gas mandrels and packer.

(CONTINUED ON ATTACHED SHEET)

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

SIGNED R. G. Ladd, Jr. TITLE District Drilling Supt. DATE 10-25-84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

TIH with 4-5/8", tapered klustrite mill on 2-7/8" tubing to 8155'. Reamed through DV tool with 4000# wt. Worked through DV tool until free with no drag. TOOH with tubing and mill.

Ran and landed 256 joints (8116.56') of 2-7/8", L-80 & J-55, 8RD, ST&C, new and used, seamless tubing at 8128.56', with 2-7/8" x 5-1/2", Model R-3 packer at 8123.71', seating nipple at 8122.61', and gas lift mandrels at 8086.97', 7388', 6439.97', 5353.6', and 4082.37'. N.U. Xtree. Pressured Xtree to 3000 psi, O.K.

Loaded casing-tubing annulus with 40 bbls. water. Acidized Mississippian perforations, 8476-8508', 8513-8522', 8531-8571', 8577-8603', 8606-8617', with 12,000 gals. 15% HCl acid with additives, with 250# rock salt and 250# benzoic acid flakes, as follows: Pumped 2000 gals. 15% HCl acid at 2 bpm at 900 psi. Dropped 50# rock salt and 50# benzoic acid flakes. With acid on perfs, pressure decreased from 900 psi to 0 psi. Pumped remaining 10,000 gals. acid, injecting 50# salt and 50# BAF after each 2000 gals acid, at 2 bpm at 0 psi pressure. Displaced with 55 bbls. water at 2 bpm at 0 psi. ISDP vacuum. Total load 382 bbls. acid and water. J.C. at 1:15 p.m., 10-17-84. Swabbed 90 bbls. fluid with trace of oil and show of gas/4 hours. F.L. 2500-3500'. SDON.

No flow overnight. F.L. at 2500'. Swabbed 169 bbls. fluid, being 150 bbls. water and 19 bbls. oil/10 hrs. with weak to moderate gas blow after 4 hrs. F.L. 2500-3500-2500'. SDON.

Swabbed 195 bbls. water and 21 bbls. oil/10 hrs. F.L. steady at 3000'. (Have recovered load.) SION.

SITP 250 psi/14 hrs. Bled pressure to zero immediately with no fluid to surface. Checked F.L. at 2600' (400' rise/14 hours). Swabbed 200 bbls. water and 18 bbls. oil/9-1/2 hrs. with F.L. at 3000' and steady with very weak gas blow. SION.

SITP 300 psi/14-1/2 hrs. Bled to zero immediately with no fluid to surface. Checked F.L. at 2600' (400' rise/14-1/2 hrs.). Swabbed 170 bbls. water and 9 bbls. oil/7-1/2 hours with weak gas blow. F.L. 2600-3000' and steady.

Ran temperature surveys. Surveys indicated no fluid exit or entry above or below perforated interval.

Preparing to install production equipment.

Form OGCC-1 b

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.: Utah M.L. 13692

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: Lisbon Unit

2. NAME OF OPERATOR: Union Oil Company of California

8. FARM OR LEASE NAME: Lisbon Unit

3. ADDRESS OF OPERATOR: P. O. Box 2620 - Casper, WY 82602-2620

9. WELL NO.: D-716

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2240' FNL & 1325' FEL (SW NE)

10. FIELD AND POOL, OR WILDCAT: Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 16, T.30S., R.24E.

14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY OR PARISH	13. STATE
API 43-037-31034	6135' GR (Ungraded)	San Juan	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) SUPPLEMENTARY WELL HISTORY			[X]
(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.) *

8794' T.D.

Released well service unit on 10-24-84. Connected well to production facilities and gas lift system.

First Day Production: (10-29-84) - Gas lifted 24 hours. Put on 2 hour test. 24 hour rate: 13 BO + 320 BW & 750 MCF gas with 600 MCF GLG. FTP 420 psi. C.P. 930 psi.

RECEIVED

NOV 01 1984

DIVISION OF OIL GAS & MINING

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

SIGNED R. G. Ladd, Jr. TITLE District Drilling Supt. DATE 10-30-84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form OGCC-3

SUBMIT IN DUPLICATE*

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

2. NAME OF OPERATOR
Union Oil Company of California

3. ADDRESS OF OPERATOR
P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface 2240' FNL & 1325' FEL (SW NE)
At top prod. interval reported below 1949' FNL & 1064' FEL
At total depth 1950' FNL & 1069' FEL

RECEIVED
NOV 6 1984
DIVISION OF OIL GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.: Utah M.L. 13692
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT AGREEMENT NAME: Lisbon Unit
8. FARM OR LEASE NAME: Lisbon Unit
9. WELL NO.: D-716
10. FIELD AND POOL, OR WILDCAT: Lisbon
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 16, T.30S., R.24E.
12. COUNTY OR PARISH: San Juan
13. STATE: Utah
14. PERMIT NO.: API 43-037-31034
DATE ISSUED: 7-6-84

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
8-25-84	10-4-84	10-24-84	6135' GR (Ungraded)	6136'

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
8794'	8710' ETD		→	0 - TD	- - -

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
8476-8617' MD (8454-8595' TVD) - Mississippian

25. WAS DIRECTIONAL SURVEY MADE: Yes ✓

26. TYPE ELECTRIC AND OTHER LOGS RUN
DLL-MSFL w/GR & Caliper, LDT-CNL w/GR & Caliper, BHC-Sonic

27. WAS WELL CORED: No

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	1001'	12-1/4"	600 sx	- - -
5-1/2"	17# & 20#	8794'	8-3/4"	1315 sx	- - -

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
- -	- -	- -	- -	- -

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	8129'	8124' *

31. PERFORATION RECORD (*Interval, size and number*)
8476-8508')
8513-8522')
8531-8571') -Mississippian-4 spf-4" jet
8577-8603')
8606-8617')

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8476-8617'	12,000 gals. 15% HCl acid with 250# rock salt and 250# benzoic acid flakes

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
10-29-84	Gas Lift	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11-9-84	24			20	450	400	22,500:1

~~FLOW.~~ TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
310 psi	920 psi		20	450	400	59°

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*)
Re-Injected

*Gas Lift Mandrels at 8087', 7388', 6440', 5354', & 4082'

TEST WITNESSED BY: Brad Govreau

35. LIST OF ATTACHMENTS
Copy of Report of Sub-Surface Directional Survey

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED R. G. Ladd, Jr. TITLE District Drilling Supt. DATE 11-20-84

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: *"Sacks Cement":* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Cutler	(?)	3421'	Sands and Shales (Sands are water wet.)
Hermosa	3421'	4392'	Sands, Shales, and Limestones (Sandstones and limestones are water wet. No tests.)
LaSal	4392'	4798'	Limestone (Porous zones are water wet. No tests)
Redwall	8246'	8733'	Limestone and Dolomite (Porous zones contain oil.)
			No DST's

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Hermosa	3421'	3419'
LaSal	4392'	4387'
Paradox	4826'	4819'
Paradox Salt	5166'	5156'
Base of Salt	8120'	8098'
Redwall	8246'	8224'
Ouray	8733'	8711'

FORM OGC-8-X

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
4241 State Office Building
Salt Lake City, UT 84114

RECEIVED
NOV 26 1984
DIVISION OF OIL GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Lisbon Unit Well No. D-716

Operator Union Oil Co. of California Address P. O. Box 2620-Casper, WY 82602

Contractor Coleman Drilling Co. Address P. O. Drawer 3337, Farmington, NM

Location SW 1/4 NE 1/4 Sec. 16 T. 30S. R. 24E. County San Juan

Water Sands

	Depth		Volume	Quality
	From	To	Flow Rate or Head	Fresh or Salty
1.	No known producible water zones were encountered.			
2.				
3.				
4.				
5.				

(Continue on reverse side if necessary)

Formation Tops Hermosa-3421', LaSal-4392', Paradox-4826', Paradox Salt-5166', Base of Salt-8120', Redwall-8246', Ouray-8733'

Remarks

NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.

(b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

Form OGCC-1 b

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.: Utah M.L. 13692

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.)

RECEIVED
JUN 03 1985
DIVISION OF OIL GAS & MINING

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

7. UNIT AGREEMENT NAME: Lisbon Unit

2. NAME OF OPERATOR: Union Oil Company of California

8. FARM OR LEASE NAME: Lisbon Unit

3. ADDRESS OF OPERATOR: P. O. Box 2620 - Casper, WY 82602-2620

9. WELL NO.: D-716

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface: 2240' FNL & 1325' FEL (SW NE)

10. FIELD AND POOL, OR WILDCAT: Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 16, T.30S., R.24E.

14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY OR PARISH	13. STATE
API 43-037-31034	6135' GR (Ungraded)	San Juan	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) Isolated Upper 2 Sets of Perfs			[X]
(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.) *

8794' TD; 8710' ETD
9-5/8" @ 1001' w/600 sx
5-1/2" @ 8794' w/1315 sx

Perfs: 8476-8508')
8513-8522')
8531-8571') - Miss.
8577-8603')
8606-8617')

Purpose: To Isolate Water Producing Zones.

MIRU well service unit on 5-16-85. SITP 700#. SICP 0#. Pumped 60 bbls. of produced water down tubing. Pressure went from 1100# to 0# after pumping 30 bbls. Pumped 30 bbls. down casing annulus. Unseated packer, N.D. tree, and N.U. BOP's. POOH with 2-7/8" tubing, 5 gas lift valves, and packer. RIH with 4.6" gauge ring to 8656', correlated collars, and POOH. RIH with ret. "D" packer and set top at 8524' (mid element on packer at 8525.5' and bottom at 8529.5'). SIOW.

SITP 740#/3 days. Blew well down to 300#. Pumped 50 bbls. 2% KCl down tubing. POOH with 20 stands of 2-7/8" tubing. RIH with seal assembly, "F" nipple, fullbore packer, one orifice valve, nine gas lift valves, 272

(Continued on Attached Sheet)

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

SIGNED R. G. Ladd, Jr. TITLE District Drilling Supt. DATE 5-30-85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

jts. of 2-7/8" tubing, and two pup subs. Stung into ret. "D" packer, stung back out and pulled up 3'. Tried to circulate with 100 bbls. 2% KCl at 2 bpm; had no returns. Pumped 80 bbls. packer fluid. S.D. N.D. BOP's. Landed 2-7/8" tubing at 8532' with ret. "D" packer at 8524', R-3 fullbore packer at 8381', sliding sleeve at 8482', "F" nipple at 8489', and gas lift valves at 8314', 7899', 7452', 7163', 6753', 6170', 5394', 4370', and 3012'. N.U. wellhead and placed on production. Released well service unit on 5-21-85. (Total load - 290 bbls.) Recovered load water on 5-22-85.

Production Before Workover: (4-12-85) 70 BOPD + 1320 BWPD & 2200 MCFD gas (1600 MCF of 2200 MCF was GLG).

Production After Workover: (5-28-85) 46 BOPD + 1108 BWPD & 1630 MCFD gas (1400 MCF of 1630 MCF was GLG).

Form 3160-5
(August, 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

COPY

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

SUNDRY NOTICES AND REPORTS ON WELLS

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 ☐ Oil Well ☑ Gas Well ☐ Other	5. Lease Serial No. Utah M.L. 13692
	6. If Indian, Allotte or Tribe Name
	7. If Unit or CA/Agreement Designation Lisbon Unit
2. Name of Operator: Tom Brown, Inc. Contact: Sandy Ocker Phone: 303-260-5011	8. Well Name and No. Lisbon Unit D-716
3. Address and Telephone No. 555 Seventeenth Street, Suite 1850, Denver, CO 80202	9. API Well No. 43-037-31034
4. Location of Well (Footage, T, R, M, or Survey Description) SHL: 2240' FNL & 1325 FEL (SW NE) BHL: 1950' FNL & 1069' FEL 16 30 24	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			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (start/resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Reclamation	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☑ Recomplete	☐ Other Recomplete to Upper Leadville Add perfs
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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.)

Recomplete to Upper Leadville
See attached Procedure

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 2/26/01
BY: R. Allen

COPY SENT TO OPERATOR
Date: 2-28-01
Initials: CHD

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

Name (Printed/Typed) Sandy Ocker	Title Engineering Tech
Signature Sandy Ocker	Date 1/5/00

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 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.

RECEIVED
FEB 20 2001
DIVISION OF
OIL, GAS AND MINING

Lisbon Unit D-716 Workover Procedure
2240' FNL & 1325' FEL, Sec. 16, T30S, R24E
San Juan County, Utah

Recomplete to Upper Leadville:

1. Notify ~~BLM~~ STATE OF UTAH. Inspect anchors. Set frac tanks for flowback. RU H_2S safety equipment.

2. MIRU workover rig. Hold pre-job safety meeting.

3. Blow down well. Kill well with 2% KCl water if necessary.
(Note: Keep casing loaded throughout job to keep well dead and prevent casing collapse. Paradox Salt from 5,166' to 8,120'.)

4. ND tree. NU BOPE.

5. Release Baker model R-3 packer @ 8,524'. TOOH w/ 2-7/8" 6.5# J-55 EUE 8rd tubing. LD gas lift valves. Prep Baker model R pkr to run back in.

6. RU WL. RIH w/ CIBP and set in 5-1/2", 17#&20#, K-55&L-80 casing at 8,450' w/ 2 sx cmt.

7. RIH and perforate Mississippian at 4 JSPF, 90 deg phasing using 4" ported casing guns with 23 g charges (Correlate to Schlumberger LDT/CNL log run 10/5/84):

INTERVAL	FOOTAGE	JSPF	NO. OF HOLES
8,364' – 8,370'	6	4	24
8,346' – 8,358'	12	4	48
8,326' – 8,332'	6	4	24
8,306' – 8,316'	10	4	40
8,275' – 8,290'	15	4	60
8,260' – 8,264'	4	4	16
8,246' – 8,250'	4	4	16
	57		**228**

1. PU and TIH w/ Baker model R-3 DG packer on inspected 2-7/8" tubing. Set packer @ +/- 8,200' w/ tubing tail through perfs. Swab well in, monitoring rates and pressures.

2. RU Halliburton acid equipment. Open packer bypass, spot 6,000 gal 15% SWIC HCl w/ ball sealers and additives. Close bypass and breakdown perfs. Flush to top of perforations and flow back until load recovered.

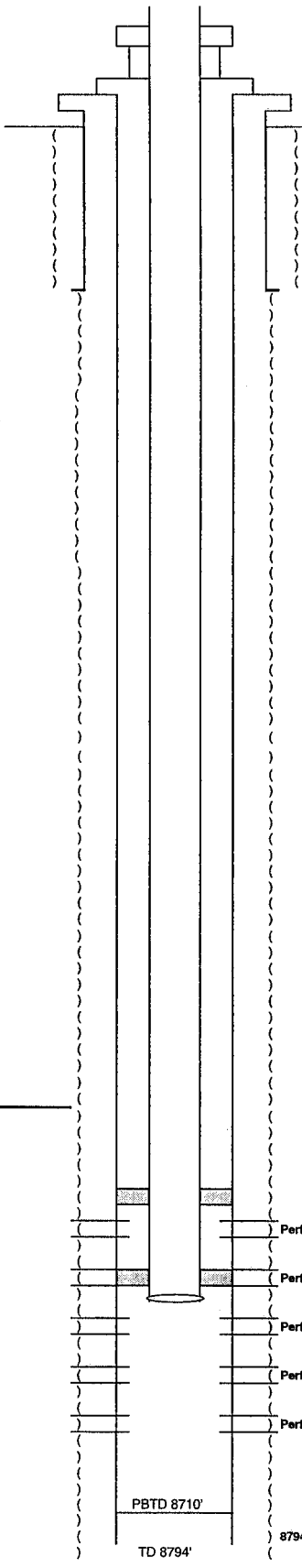
3. Load backside w/ inhibited packer fluid from surface. Pressure test casing and packer to 1,000#.

4. ND BOPE. NU tree.

5. Swab well in. Flow to tank for clean-up. TO to production. RDMO.

WELLBORE DIAGRAM

Company: TOM BROWN INC.
Lease Name: LISBON UNIT D-716
Location: Sec 16-T30S-R24E
County: SAN JUAN COUNTY, UT
Date: 1/4/01



Spud date 8/25/84
Completion 10-24-84

Tubing Detail 8/25/85
272 jts 2 7/8" tbg
top of R3@ 8381'
closed sleeve @ 8482'
F-nipple @ 8489'
Retrieva "D" @ 8524'
Tbg hanging depth 8532'

Perf w/4 jspf , 4" casing jet
Treat w/12,000 gals. 15% HCL acid with 250# rock salt and 250# benzoic acid flakes.

Form 3160-5
(August, 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

COPY

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Serial No.: Utah M.L. 13692

6. If Indian, Allotte or Tribe Name:

1. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Other

7. If Unit or CA/Agreement Designation: Lisbon Unit

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

8. Well Name and No.: Lisbon Unit D-716

3. Address and Telephone No.: 555 Seventeenth Street, Suite 1850, Denver, CO 80202

9. API Well No.: 43-037-31034

4. Location of Well (Footage, T, R, M, or Survey Description)
SHL: 2240' FNL & 1325 FEL (SW NE)
BHL: 1950' FNL & 1069' FEL

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			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☑ Production (start/resume)	☐ Water Shut-Off
☑ Subsequent Report	☐ Alter Casing	☐ Reclamation	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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.)

The Lisbon Unit D-716 resumed production 02/02/01.

RECEIVED
MAR 09 2001
DIVISION OF
OIL, GAS AND MINING

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

Name (Printed/Typed): Sandy Ocker
Title: Engineering Tech

Signature: Sandy Ocker
Date: 2/15/2001

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 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.

FORM 3160-4
(August, 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

COPY

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. Type of Well: Oil Well [ ] Gas Well [X] Dry [ ] Other:

1b. Type of Completion: New Well [ ] Workover [X] Deepen [ ] Plug Back [ ] Diff. Resvr,. [ ] Other:

5. Lease Serial No.: Utah M. L. 13692

6. If Indian, Allottee or Tribe Name: N/A

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

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

8. Lease Name and Well No.: Lisbon Unit D-716

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

9. API Well No.: 43-037-31034

4. Location of Well *(Report location clearly and in accordance with Federal requirements)* *

At Surface: SHL 2240' FNL & 1325' FEL (SWNE)

At top prod. interval reported below

At total depth: BHL 1950' FNL & 1069' FEL

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

14. Date Spudded	15. Date T.D. Reached	16. Date Completed. (prod)	17. Elevations (DF, RKB, RT, GL) *
08/25/84	10/4/1984	[ ] D&A [X] Ready to Prod. Original Completion 10/24/84	GL 6135'

18. Total Depth:	19. Plug Back T.D.:	20. Depth Bridge Plug Set:
8794'	est 8440'	CIBP @ 8440'

21. Type Electric & Other Mechanical Logs Run (Submit Copy of each)
Original completion DLL-MSFL w/GR & Caliper, LDT-CNL w/GR & Caliper, BHC- Sonic

22. Was Well Cored? [X] No [ ] Yes (Submit analysis)
Was DST run? [X] No [ ] Yes (Submit report)
Directional Survey? [ ] No [X] 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 Sks & Type of Cement	Slurry vol. (BBL)	Cement Top*	Amount Pulled
12 1/4"	9 5/8" K-55	36#	Surface	1001'		600 sxs			
8 3/4"	5 1/2" K-55/L-80	17# & 20#	Surface	8794'		1315 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"	8174'	8174'	Bake					

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) Mississippian	8246'	8733'	8246-50', 8260-64', 8275-90', 8306-16', 8326-32', 8346-58' & 8364-70'			
					4 spf	open
B) Mississippian	8246'	8733'	8476-8508', 8513-22', 8531-71', 8577-8603' & 8606-17'			
					4 spf	Perfs below CIBP @ 8440'

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

Depth Interval	Amount and Type of Material
8476-8617'	acidize w/ 12,000 gals 15% HCL w/250# rock salt and 250# benzoic acid flakes
8246'-8370'	acidize w/6000 gals 15% HCL w/ball sealers & additives

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28. Production - Interval A

Date First Prod	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity	Production Method
10/29/1984	2/6/2001	24 hrs		69 bbls	1112 mcf	13 bbls			flowing
Choke Size	**Tbg Press. Flwg./ SI**	**Csg Press.**	**24 Hr. Rate**	**Oil (BBL)**	**Gas (MCF)**	**Water (BBL)**	**Gas:Oil Ratio**	**Well Status**	
28/64	400 psi	40 psi40 psi		69 BOPD	1112 MCFPD	13 BWPD		Producing	

28a. Productin - Interval B

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**	

(See insturctions 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. Productin - 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. Sumary 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.

Formation	Top	Bottom	Descriptions, Contents, etc.

31. Formation (Log) Markers

Name	Top Meas. Depth
Hermosa	3421'
LaSal	4392'
Paradox	4826'
Paradox Salt	5166'
Base of Salt	8120'
Mississippian	8246'
Ouray	8733'

32. Additional remarks (include plugging procedure):

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DIVISION OF OIL, GAS AND MINING

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)*

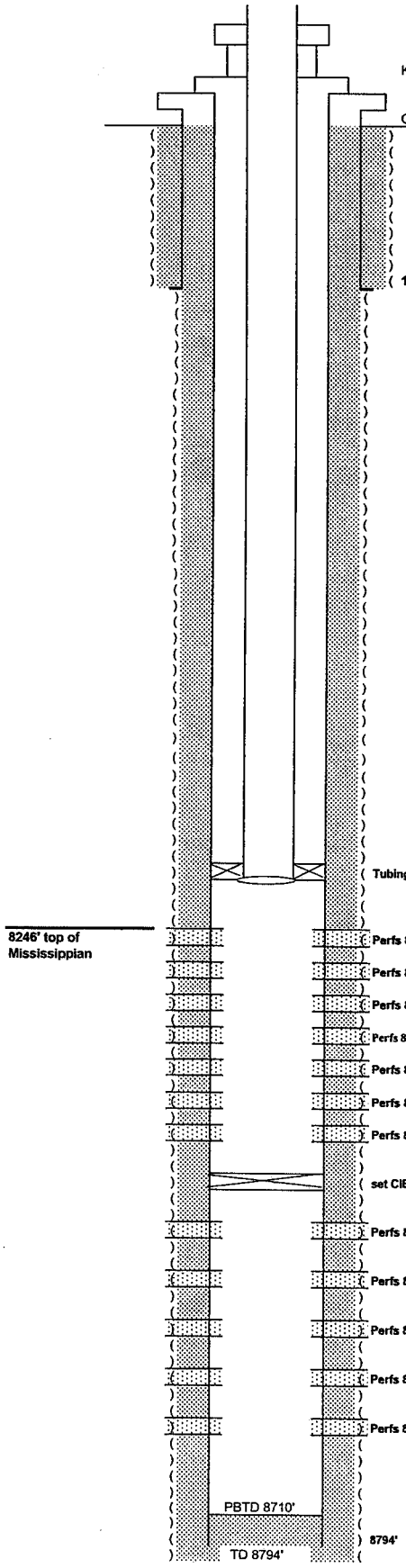
Name *(please print)* Sandy Ocker Title Engineering Tech

Signature Sandy Ocker Date 01/19/01

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 fradulent statements or representations as to any matter within its jurisdiction.

WELLBORE DIAGRAM

Company: TOM BROWN INC.
Lease Name: LISBON UNIT D-716
Location: Sec 16-T30S-R24E
County: SAN JUAN COUNTY, UT
Date: 2/20/2001 update



Spud date 8/25/84
Completion 10-24-84

Tubing Detail 8/25/85
272 jts 2 7/8" tbg
top of R3@ 8381'
closed sleeve @ 8482'
F-nipple @ 8489'
Retrieva "D" @ 8524'
Tbg hanging depth 8532'

Tubing Detail 1/17/01

KB	10'	
260 jts 2 27/8 tbg	8158'	8168'
Baker Model R pkr	6'	8174'

Tubing landing @ 8174'

Perf 8246' - 8370' w/4" expendable gun, 4 spf, 90 deg phasing (1/11/01)

Acidize 8246' - 8370' w 6000 gals 15% acid (1/12/01)

Perf w/4 jspf , 4" casing jet
Treat w/12,000 gals. 15% HCL acid with 250# rock salt and 250# benzoic acid flakes.

5 1/2" 17# & 20# K-55 & L-80 csg
Cement w/1315 sxs

Tom Brown, Inc.
555 17th Street, Suite 1850
Denver, CO 802023918
(303) 260-5000

Well Name : LISBON D 716
Well User ID : 272674 **AFE # :** C01U029
Operator : TOM BROWN, INC. **WI :** 0.958345 **NRI** 0.8098963
Loc : SWNE **STR :** 16 -30S - 24E
County : SAN JUAN, UT **APICode :** 43-037-31034
Field : LISBON UNIT
Contractor : **AFE Type :** ReCompletion
Spud Date : **Rig Rel Date :** **Total Depth :** 0 ft.
Comp Date : **PBTD :** 0 ft.

Completions Detail Report

Date : 1/10/2001 **Activity:** Perforate **Days On Completion :** 1
Rpt Summary : Perf
Report Detail : MIRU, ND tree, NU BOP, release pkr., POOH w/ tbg., SDFN

Date : 1/11/2001 **Activity:** Acidizing **Days On Completion :** 2
Rpt Summary : RIH w/ tbg.
Report Detail : SICP 250#, RIH & set CIBP @ 8440', perf 8364-8370, 8346-8358, 8326-8332, 8306-8316, 8275-8290, 8260-8264,8246-8250, w/ 4 spf, 90 phasing, 4" expendable guns, PU & RIH w/ tbg. & pkr. 50 stands, SDFN.

Date : 1/12/2001 **Activity:** Flow Test **Days On Completion :** 3
Rpt Summary : Swab
Report Detail : SITP 0#, finish RIH w/ tbg. & pkr. Set pkr. @ 8168', RU & acidize down tbg. W/ 6000 gal. 15% SWIC acid, avg. rate 6.5 BPM, avg. press. 3200 #, ISIP 550 #, RU & swab. Initial flow @ 2400', made 6 swab runs, well kicked off & flowed 370# on 28/64 choke, made 100 BF in 5 hrs.
BLTRW - 100

Date : 1/13/2001 **Activity:** SDFWE **Days On Completion :** 4
Rpt Summary : SDFWE
Report Detail : SITP 1250# flowed 8 hrs. 400# on 28/64 choke, made 60 BF

Date : 1/14/2001 **Activity:** SDFWE **Days On Completion :** 5
Rpt Summary : SDFWE
Report Detail : SDFWE

Date : 1/15/2001 **Activity:** SDFWE **Days On Completion :** 6
Rpt Summary : SDFWE
Report Detail : SDFWE

Date : 1/16/2001 **Activity:** NU Wellhead **Days On Completion :** 7
Rpt Summary : NU Wellhead
Report Detail : SITP 1350# flowed 9 hrs @ 440# on 28/64 choke, made 40 BF. SDFN

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

Completion Chron Report

Well Name : LISBON D 716
Well User ID : 272674 **AFE # :** C01U029
Operator : TOM BROWN, INC. **WI :** 0.958345 **NRI** 0.8098963
Loc : SWNE **STR :** 16 -30S - 24E
County : SAN JUAN, UT **APICode :** 43-037-31034
Field : LISBON UNIT
Contractor :
Spud Date : **Rig Rel Date :** **AFE Type :** ReCompletion
Total Depth : 0 ft.
Comp Date : **PBTD :** 0 ft.

Date : 1/17/2001 **Activity:** Final Report **Days On Completion :** 8

Rpt Summary : wait on facilities hook up

Report Detail : SITP 1300#, pump kill on tbg, ND BOP, NU wellhead, make 1 swab run, well kicked off, made 40 BF, 410# on 28/64 choke, SDFN. Production string

Baker model R pkr	6
260 jts 2-7/8" tbg	8158
KB	10
btm of pkr @	8174'

Date : 2/2/2001 **Activity:** Put on Production **Days On Completion :** 24

Rpt Summary : Put on production

Report Detail :

LP	TP	CP	MCF/D	CHOKE	BO	BW	DOWN
389	430	0	1083	100%	26	53	4 HR

Date : 2/3/2001 **Activity:** Put on Production **Days On Completion :** 25

Rpt Summary : Put on Production

Report Detail :

LP	TP	CP	MCF/D	CHOKE	BO	BW
390	420	0	1293	100%	77	16

Date : 2/4/2001 **Activity:** Put on Production **Days On Completion :** 26

Rpt Summary : Put on Production

Report Detail :

LP	TP	CP	MCF/D	CHOKE	BO	BW
380	402	0	1179	100%	72	14

Date : 2/5/2001 **Activity:** Put on Production **Days On Completion :** 27

Rpt Summary : Put on Production

Report Detail :

LP	TP	CP	MCF/D	CHOKE	BO	BW
383	410	0	1189	100%	68	13

Date : 2/6/2001 **Activity:** Put on Production **Days On Completion :** 28

Rpt Summary : Put on production

Report Detail :

LP	TP	C P	MCF/D	CHOKE	BO	BW
382	400	40	1112	100%	69	13

Date : 2/7/2001 **Activity:** Put on Production **Days On Completion :** 29

Rpt Summary : Put on production

Report Detail :

LP	TP	CP	MCF/D	CHOKE	BO	BW
380	400	40	911	100%	57	11

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

Completion Chron Report

Well Name : LISBON D 716
Well User ID : 272674 **AFE # :** C01U029
Operator : TOM BROWN, INC. **WI :** 0.958345 **NRI** 0.8098963
Loc : SWNE **STR :** 16 -30S - 24E
County : SAN JUAN, UT **APICode :** 43-037-31034
Field : LISBON UNIT
Contractor :
Spud Date : **Rig Rel Date :** **AFE Type :** ReCompletion
Total Depth : 0 ft.
Comp Date : **PBTD :** 0 ft.

Date : 2/8/2001 **Activity:** Put on Production **Days On Completion :** 30
Rpt Summary : Put on production
Report Detail :

LP	TP	CP	MCF/D	CHOKE	BO	BW
383	400	40	965	100%	68	12

Date : 2/9/2001 **Activity:** Put on Production **Days On Completion :** 31
Rpt Summary : TO SALES
Report Detail : 383 LP, 405 TP, 38 CP, 1088 MCF, 100%, 71 BO, 14 BW, 0 DT

Date : 2/10/2001 **Activity:** Put on Production **Days On Completion :** 32
Rpt Summary : Put on production
Report Detail : LP 384
TP 405
CP 38
MCF/D 1177
CHOKE 100%
BO 71
BW 12

Date : 2/11/2001 **Activity:** Put on Production **Days On Completion :** 33
Rpt Summary : Put on production
Report Detail : LP 382
TP 405
CP 38
MCF/D 1043
CHOKE 100%
BO 74
BW 12

Date : 2/12/2001 **Activity:** Final Report **Days On Completion :** 34
Rpt Summary : Final Report
Report Detail : LP 384
TP 405
CP 38
MCF/D 1180
CHOKE 100%
BO 70
BW 15

Casing

DateIn	Setting Depth	Jts Run	Type	Size	Weight	Grade	MINID	HoleDiam	TD
8/25/1984	1001		Surface	9.625	36	K-55		12.25	1001

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

Completion Chron Report

Well Name : LISBON D 716
Well User ID : 272674 **AFE # :** C01U029
Operator : TOM BROWN, INC. **WI :** 0.958345 **NRI** 0.8098963
Loc : SWNE **STR :** 16 -30S - 24E
County : SAN JUAN, UT **APICode :** 43-037-31034
Field : LISBON UNIT
Contractor :
Spud Date : **Rig Rel Date :** **AFE Type :** ReCompletion
Comp Date : **Total Depth :** 0 ft.
PBTD : 0 ft.

10/4/1984	8794	Production	5.5	K-55		8.75	8794

Well Perforation History

(This shows only the perforations for this project or day)

Date	Formation	Perf Status	Upper Perf	Lower Perf	Sht / Ft	Description:
1/10/2001	Mississippian	Open	8246	8250	4	
1/10/2001	Mississippian	Open	8260	8264	4	
1/10/2001	Mississippian	Open	8275	8290	4	
1/10/2001	Mississippian	Open	8306	8316	4	
1/10/2001	Mississippian	Open	8326	8332	4	
1/10/2001	Mississippian	Open	8346	8358	4	
1/10/2001	Mississippian	Open	8364	8370	4	

FORM 9

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, Allotte 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** County:
QQ, Sec T,R,M: State:

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

NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)	
☐ Abandon	☐ New Construction	☐ Abandon*	☐ New Construction
☐ Repair Casing	☐ Pull or Alter Casing	☐ Repair Casing	☐ Pull or Alter Casing
☐ Change Plans	☐ Recomplete	☐ Change Plans	☐ Recomplete
☐ Convert to Injection	☐ Reperforate	☐ Convert to Injection	☐ Reperforate
☐ Fracture Treat or Acidize	☐ Vent or Flare	☐ Fracture Treat or Acidize	☐ Vent or Flare
☐ Multiple Completion	☐ Water Shut-Off		☐ Water Shut-Off
☐ Other		☑ Other Change of Operator	
Approximate date work will start _____		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.

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DIV. OF OIL, GAS & MINING

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

(This space for State use only)

APPROVED 2/24/05
EP
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			N98[redacted]
LISBON FED 2-21F	21	300S	250E	4303715768	410	Federal	GW	S		LISBON	UTU-094674	SENW			N98[redacted]
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			N98[redacted]
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

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,

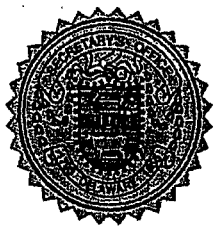
"TBI WEST VIRGINIA, INC.", A DELAWARE CORPORATION,

"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.



Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

2137895 8100M

040934710

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:

Name	Jurisdiction of Incorporation
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 17th 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

ROUTING
1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Change of Name

Merger

The operator of the well(s) listed below has changed, effective: **1/1/2005**

FROM: (Old Operator):	**TO:** (New Operator):
N9885-Tom Brown, Inc.	N2175-EnCana Oil & Gas (USA) Inc.
555 17th St, Suite 1850	370 17th St, Suite 1700
Denver, CO 80202	Denver, CO 80202
Phone: 1-(720) 876-5157	Phone: 1-(720) 876-5068

CA No. **Unit:** **LISBON**

WELL(S)

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 1/27/2005
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 1/27/2005
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 2/23/2005
4. Is the new operator registered in the State of Utah: YES Business Number: 5053175-0143
5. If **NO**, the operator was contacted contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: In PLACE

6b. Inspections of LA PA state/fee well sites complete on: n/a

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.

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**

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

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/11/2010
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/11/2010
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 5/11/2010

4a. Is the new operator registered in the State of Utah: Business Number: 7655540-0161

5a. (R649-9-2)Waste Management Plan has been received on: * * requested 9/27/10

5b. Inspections of LA PA state/fee well sites complete on: * * requested 9/27/10

5c. Reports current for Production/Disposition & Sundries on: ok

6. **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
7. **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
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
9. **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:

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

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UTB000428
2. Indian well(s) covered by Bond Number: n/a

3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number RLB0013207 & B006008

3b. The **FORMER** operator has requested a release of liability from their bond on: not yet

LEASE INTEREST OWNER NOTIFICATION:

4. (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

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.

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA 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. N2175

9. API NUMBER:

3. ADDRESS OF OPERATOR: 370 17th Street, Suite 1700 CITY Denver STATE CO ZIP 80202 PHONE NUMBER: (303) 623-2300

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See Attached List

COUNTY:

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		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☑ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ 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. RLB0013207 + B006008

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

Signature _____ Date 5/4/2010

NAME (PLEASE PRINT) Ricardo D. Gallegos TITLE Attorney-in-Fact

SIGNATURE _____ DATE 5/4/2010

(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 17th Street, Suite 1345
Denver, CO 80293

Re: Successor Operator
Lisbon Unit, UTU63037O
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

Enclosure

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

43 037 31034
Lisbon Unit D-716
30S 24E 16

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

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

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/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
	1ST NOTICE			
1	LISBON UNIT D-716	43-037-31034	ML-13692	1 Year 1 Month
	SI/TA EXENSION VALID TO 8/1/2011			
2	LISBON D-616	43-037-15049	ML-13692	1 Year 7 Months
	SI/TA EXTENSION VALID TO 9/1/2011			
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

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.

5. LEASE DESIGNATION AND SERIAL NUMBER: Utah M.L. 13692

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME: Lisbon Unit

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: Lisbon D-716

2. NAME OF OPERATOR: Patara Oil & Gas, LLC

9. API NUMBER: 4303731034

3. ADDRESS OF OPERATOR: 600 17th St, Suite 1900S CITY Denver STATE CO ZIP 80202

PHONE NUMBER: (303) 563-5369

10. FIELD AND POOL, OR WILDCAT: Lisbon

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2240' FNL & 1325' FEL

COUNTY: San Juan

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 16 30S 24E

STATE: UTAH

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

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

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

Patara Oil & Gas, LLC performed a mechanical integrity test on the Lisbon D-716 on April 26, 2011. The wellbore had zero pressure on the annulus when opened for the test. The well was still full of packer fluid from the previous MIT conducted in July, 2010 which was witnessed by Bart Kettle, Utah State Field Inspector. This MIT was not witnessed by a State inspector but the chart for the test is attached. The test was conducted at 1000 psi over 30 minutes and had a 50 psi decline due to changing temperature. Tubing pressure of zero psi remained unchanged. The test pressure was bled off and both the tubing and casing have zero psi at the surface. A wellbore diagram is attached for reference.

Patara wishes to maintain the existing wellbores in the Lisbon Field due to the focused efforts currently underway for the field. Patara is preparing to perform a 3D seismic survey of the field which is currently being permitted. A geologic field study is currently in process and workovers are being performed to restore McCracken and Mississippian potential. The recently restored Lisbon B-810 IP'd 380 bopd from the McCracken in February and the Lisbon D-610 is currently being worked over to open new potential in the Mississippian. Two more workovers are planned for 2011 along with three (3) new drilled wells.

Patara requests that the State of Utah grant an extended shut in under rule R649-3-36 for a period of one year for the Lisbon D-716 to allow the company to analyze the productive capabilities and or future utility of the wellbore.

At the current time the tubing and casing are shut in and the well is secure.

COPY SENT TO OPERATOR
Date: 6.22.2011
Initials: LCS

NAME (PLEASE PRINT) John B. Warren TITLE Production Manager

SIGNATURE DATE 4/30/2011

(This space for State use only)

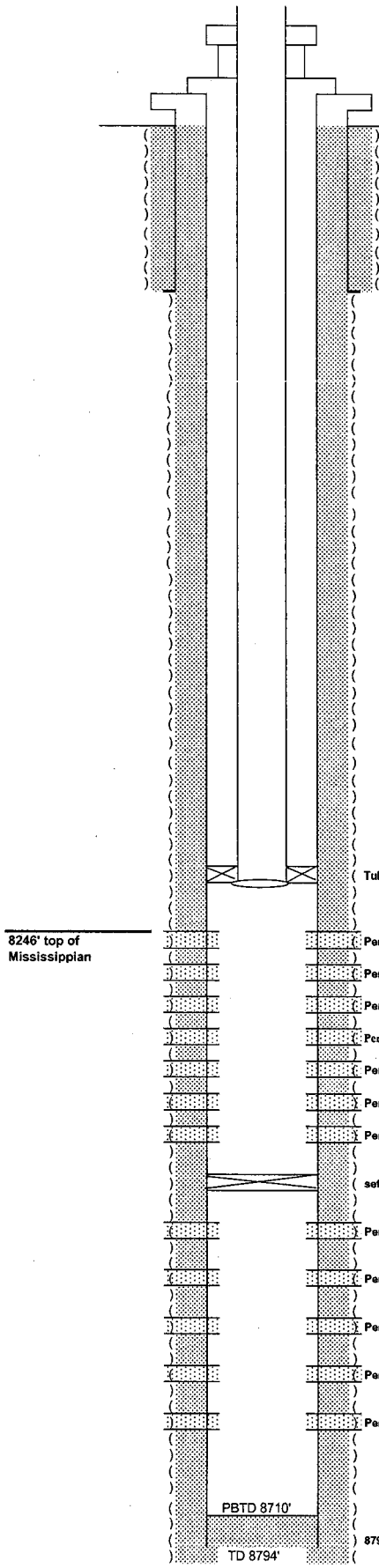
APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 6/20/2011
BY:
* Extension valid through 5/1/2012

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

RECEIVED
MAY 10 2011
DIV. OF OIL, GAS & MINING

WELLBORE DIAGRAM

Company: Patara Oil & Gas, LLC
Lease Name: LISBON UNIT D-716
Location: Sec 16-T30S-R24E
County: SAN JUAN COUNTY, UT
Date: 2/20/2001 update



KB '

GL 6135' (ungraded)

Spud date 8/25/84
Completion 10-24-84

Cement circulated to surface

1001' 9 5/8" 36# K-55 csg
Cement w/600 sxs

Tubing Detail 8/25/85
272 jts 2 7/8" tbg
top of R3@ 8381'
closed sleeve @ 8482'
F-nipple @ 8489'
Retrieva "D" @ 8524'
Tbg hanging depth 8532'

TOC for prod csg @ 1230' (CBL)

Tubing Detail 1/17/01

KB	10'	
260 jts 2 27/8 tbg	8158'	8168'
Baker Model R pkr	6'	8174'

Tubing landing @ 8174'

Tubing landed @ 8174' - bottom of packer 8174' (1/17/01)

8246' top of Mississippian

Perfs 8246-8250'
Perfs 8260-8264'
Perfs 8275-8290'
Perfs 8306-8316'
Perfs 8326-8332'
Perfs 8346-8358'
Perfs 8364-8370'

Perf 8246' - 8370' w/4" expendable gun, 4 spf, 90 deg phasing (1/11/01)

Acidize 8246' - 8370' w 6000 gals 15% acid (1/12/01)

set CIBP @ 8440' (1/11/01)

Perfs 8476-8508'
Perfs 8513-8522'
Perfs 8531-8571'
Perfs 8577-8603'
Perfs 8606-8617'

Perf w/4 jspf , 4" casing jet
Treat w/12,000 gals. 15% HCL acid with 250# rock salt and 250# benzoic acid flakes.

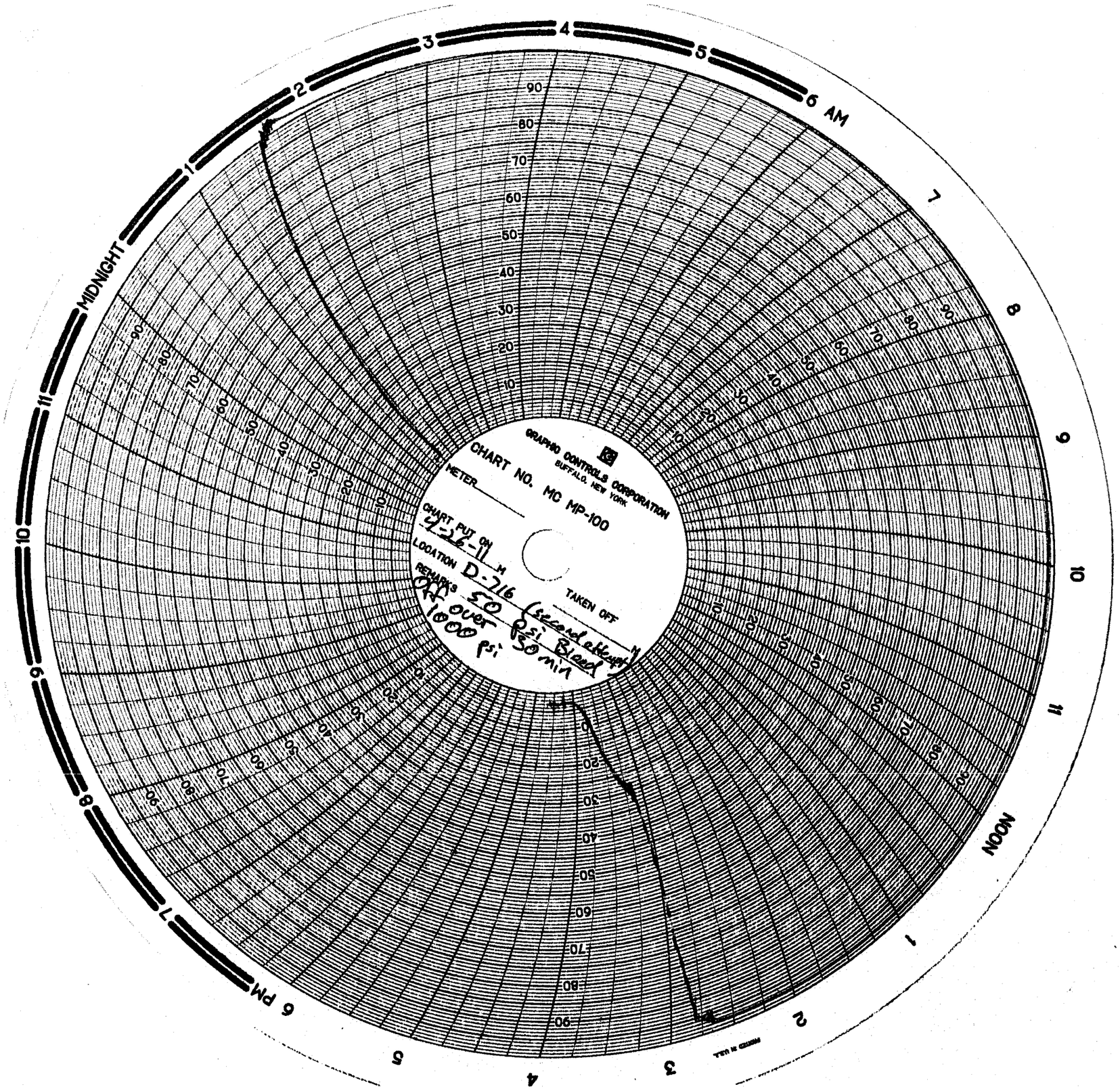
PBTD 8710'

8794' 5 1/2" 17# & 20# K-55 & L-80 csg
Cement w/1315 sxs

TD 8794'

Input Data (Provided By Operator)							Output Data								Data Comparative	
Sfc Csg Depth	Sfc Csg Psi	Prod Csg Psi	Tbg Psi	Fluid Level	Depth (Csg, Perf or Plug back)		Water Column Dx	Gas Head Psi	Water Head Psi		Normal Press @ Sfc Shoe	Formation Frac @ Sfc Shoe	Reservoir Pressure Total		Calc Press @ Sfc Shoe	Normal Reservoir Psi for Depth
1001	0	0	0	0	8300		8300	0	3594		433	701	3594		433	3,594
Packer	Yes															
Fluid Gradient psi/ft	0.433															
Gas Gradient psi/ft	0.1															
Frac Gradient psi/ft	0.7															

	SCENARIOS	Indicates Integrity?	
#1	SFC CSG = 0 PSI MEANS NO COMMUNICATION, REASSURING INTEGRITY	Yes	
#2	If measured reservoir psi is equal to normal gradient reservoir pressure, well probably has integrity. If pressure is less, well could lack integrity explained by pressure bleeding into a shallower formation.	Yes	
#3	If calculated pressure is approximately equal to normal pressure at the surface shoe, then fluid could be moving into the formation.	No	→ Not @ frac press. → O.K.
#4	If packer is in the hole, with psi on tbg and no psi on prod csg, this indicates tbg and packer integrity.	Yes	


MIDNIGHT
1
2
3
4
5
6 AM
7
8
9
10
11
NOON
1
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4
5
6 PM
7
8
9
10
11
GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
CHART NO. MC MP-100
METER
CHART PUT ON
4-26-11 H
LOCATION D-716 (second attempt) H
REMARKS 50 psi Blend
Off over 1000 psi 30 min
TAKEN OFF

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

43 037 31034
Lisbon Unit D-716
30S 24E 16

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

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

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
2ND NOTICE W/ PAST DUE SI/TA EXTENSIONS					
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

RECEIVED
MAY 29 2013
DIV. OF OIL, GAS & MINING

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: ML 13692
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: Lisbon Unit
1. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ OTHER
8. WELL NAME and NUMBER: Lisbon D-716
2. NAME OF OPERATOR: CCI Paradox Upstream LLC
9. API NUMBER: 4303731034
3. ADDRESS OF OPERATOR: 600 17 St. Ste 1900S CITY Denver STATE CO ZIP 80202
PHONE NUMBER: (303) 825-0685
10. FIELD AND POOL, OR WILDCAT: Lisbon
4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2,240 FNL, 1,325 FEL
COUNTY: San Juan
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 16 30S 24E
STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: 5/15/2013	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Pressure Test
	☐ CONVERT WELL TYPE	☐ 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 323 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.

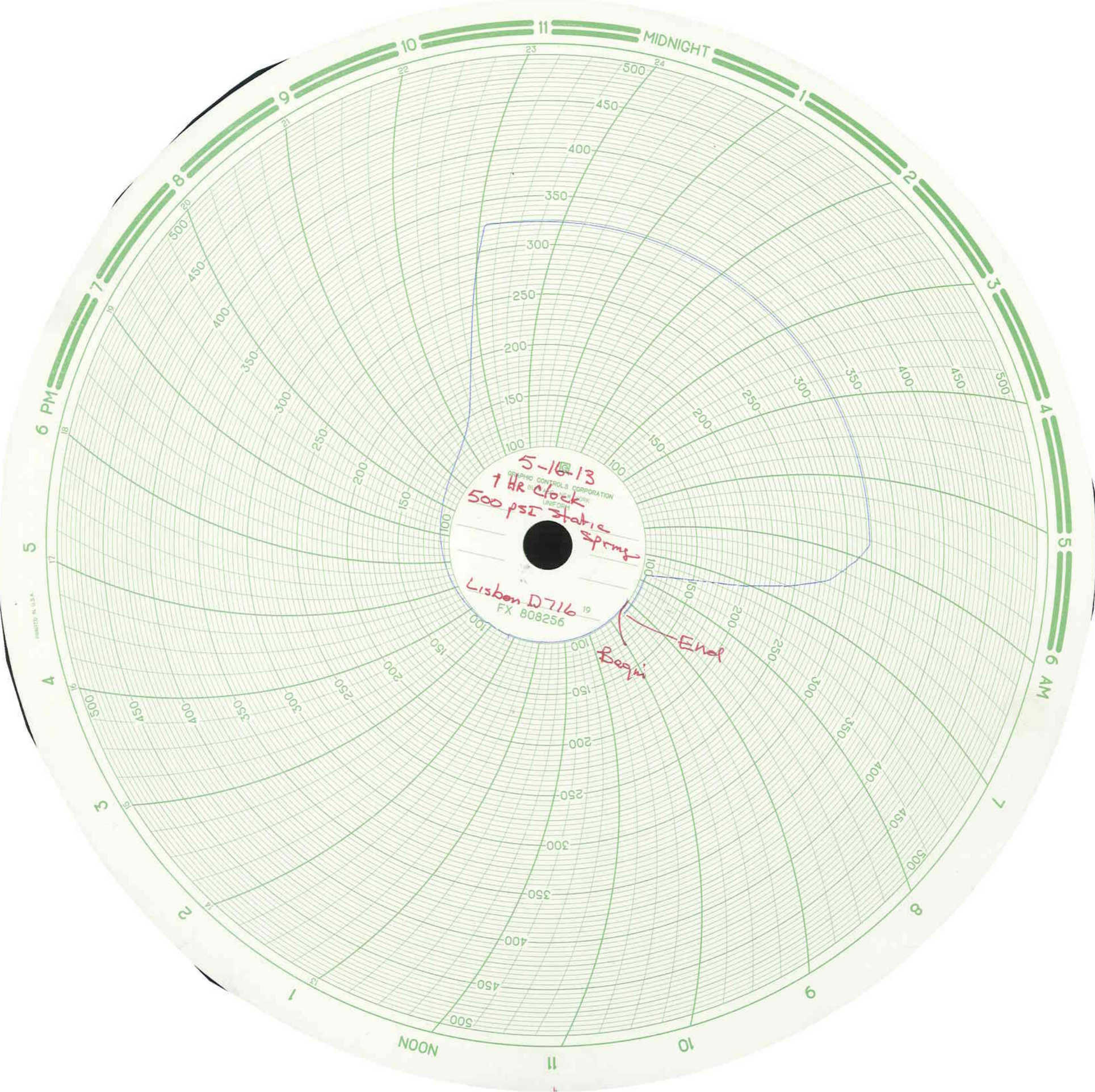
NAME (PLEASE PRINT) Christopher Noonan TITLE Supervisor

SIGNATURE [signature] DATE 5/22/2013

(This space for State use only)

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

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


5-16-13
1 HR Clock
500 psi Static
Sprng
Lisbon D716
FX 808256
Begin
End
MIDNIGHT
NOON
6 PM
6 AM

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**

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

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 1/23/2013
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 2/7/2013
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 6/6/2013
4a. Is the new operator registered in the State of Utah: _____ Business Number: 8523441-0161
5a. (R649-9-2)Waste Management Plan has been received on: Not Yet
5b. Inspections of LA PA state/fee well sites complete on: N/A
5c. Reports current for Production/Disposition & Sundries on: 2/12/2013
6. **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
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: Not Yet
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
9. **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:

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

BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

4. (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:

		Bond No.:
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

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.

5. LEASE DESIGNATION AND SERIAL NUMBER:	n/a
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	n/a
7. UNIT or CA AGREEMENT NAME:	n/a
1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER Multiple Well Transfer	8. WELL NAME and NUMBER: Multiple
2. NAME OF OPERATOR: CCI Paradox Upstream LLC N3945	9. API NUMBER: n/a
3. ADDRESS OF OPERATOR: 600 17th St. Ste. 1900S Denver STATE CO ZIP 80202 / PHONE NUMBER: (303) 825-0685	10. FIELD AND POOL, OR WILDCAT: n/a
4. LOCATION OF WELL FOOTAGES AT SURFACE: n/a QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	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		
☐ NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start:	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☑ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 11/1/2012	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ 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) Christopher A. Noonan TITLE Regulations & Production Reporting Supervisor

SIGNATURE [signature] DATE 2/6/2012

(This space for State use only)

APPROVED

JUN 06 2013

DIV. OIL GAS & MINING

BY: Zeke Clement For Rachel Medina

RECEIVED

FEB 07 2013

Div. of Oil, Gas & Mining

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

RECEIVED

JAN 2 3 2013

DIV. OF OIL, GAS & MINING

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER:	n/a
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	n/a
7. UNIT or CA AGREEMENT NAME:	n/a
8. WELL NAME and NUMBER:	Multiple
9. API NUMBER:	n/a
10. FIELD AND POOL, OR WILDCAT:	n/a

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER Multiple Well Transfer

2. NAME OF OPERATOR: Patara Oil & Gas LLC N3670

3. ADDRESS OF OPERATOR: 600 17th St. Ste. 1900S CITY Denver STATE CO ZIP 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		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☑ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: 11/1/2012	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER: _____
	☐ CONVERT WELL TYPE	☐ 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) Christopher A. Noonan TITLE Regulations & Production Reporting Supervisor

SIGNATURE Christopher A. Noonan DATE 1/18/13

(This space for State use only)

APPROVED

JUN 06 2013

DIV. OIL GAS & MINING

BY: Zeke Clement for Rachel Medina

(See Instructions on Reverse Side)

(5/2000)

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

CCI

Castleton Commodities International Paradox Upstream, LLC
600 17th 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

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 31034
Libson Unit D-716
16 30S 24E

Mr. John Warren
CCI Paradox Upstream, LLC
600 17th Street, Suite 1900S
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

DKD/JP/js
cc: Compliance File
Well File
LaVonne Garrison, SITLA
N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

ATTACHMENT A

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

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-13692

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.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: LISBON

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: LISBON UNIT D-716

2. NAME OF OPERATOR: CCI PARADOX UPSTREAM, LLC

9. API NUMBER: 43037310340000

3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1900S , Denver, CO, 80202

PHONE NUMBER: 303 728-2222 Ext

9. FIELD and POOL or WILDCAT: LISBON

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2240 FNL 1325 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 16 Township: 30.0S Range: 24.0E Meridian: S

COUNTY: SAN JUAN

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 11/5/2014	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	✓ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	✓ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

CCI Paradox Upstream, LLC, will be converting this well to a UIC disposal well. The UIC application is being prepared and will be submitted shortly.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
November 25, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Denise Onyskiw	720 260-2963	Permitting Agent
SIGNATURE N/A		**DATE** 11/9/2014

RECEIVED: Nov. 09, 2014

CCI Paradox Midstream, LLC
Lisbon Unit D-716

Proposed Procedure to Convert the Wellbore into an Acid Gas Injection Well or Water Injection Well

Location: SW NE Section 16-T30S-R24E
San Juan County, Utah

Well Data: GL 6135'
KB 6149'

Completion date 10/24/84

Surface Casing	9 5/8" 36 3/ft K-55 Cemented to surface w/ 600 sxs cement
Production Casing	5 ½" 17 & 20 #/ft K-55 & L-80 Cemented w/ 1315 sxs cement – TOC @ 1230'
Tubing & Packer:	260 jts of 2 7/8" tbg set with a Model R pkr @ 8174'

Current Status:

Well is inactive. A successful MIT was performed 5/15/2013. SITP is currently 1090 psi. The well has a packer set at 8174' isolating the perforations in the Mississippian formation from the casing above the packer.

A CIBP was set in January 2010 to seal off Water producing intervals in the Mississippian formation.

A current wellbore schematic is attached.

Intent:

It is intended to create a potential acid gas injection well or water injection well in the Lisbon D-716 wellbore as a backup to existing injection wells being utilized in the Lisbon field by the Lisbon Processing Plant. The Lisbon D-716 is an ideal candidate due to its more recent age, additional high porosity intervals below the CIBP and existing cement to surface behind both the production and surface casing strings. Also the well has undergone a successful MIT test in 2013 indicating good casing above the existing isolation packer.

The intent of the procedure will to be to squeeze cement behind the production casing from 1230' to surface. Then to remove the existing packer and CIBP to commingle all of

the Mississippian perforated intervals. The intervals will be reperforated and acidized. The entire section will be isolated beneath a packer and an injectivity test and another MIT will be performed.

Recommended Procedure:

1. In preparation for completion of the well for acid gas injection, have seating nipples, on-off tool and packer nickel coated. Have a string of 2 7/8" L-80 6.5 #/ft 8rd EUE tubing coated internally with TK-7 coating. Have a new tree prepared with trim designed for H2S and CO2.

2. RU a workover rig. RU safety crew with separator and flare. Bleed down pressure through the safety equipment and flare. ND tree and NU BOPE. Offload 2 7/8" workstring from yard.

3. PU and release the Model R packer. POOH laying down the tbg and packer. If packer is in good shape, may want to use it later in the procedure to perform isolation for acid work. Do not use existing tubing as a work string due to the environment that it has been producing in.

4. RU wireline truck. RIH and set a composite plug at 1250'. Fill hole w/ produced water after plug has been set. MU perforating gun and RIH to perforate production casing with 4 squeeze holes at 1220'. Set a cement retainer at 1200'. RD wireline truck.

5. MU seal assy and PU 1200' of 2 7/8" workstring. TIH and sting into retainer. Open annulus valve. Establish circulation w/ fresh water. RU Baker Services and circulate cement to surface behind the production pipe from 1220' to surface. Squeeze at 1500 psi. Sting out of retainer and reverse out tubing. RD Baker Services.

6. MU bit, 6 DCs and TIH. WO cement to fully cure. RU N2 unit and power swivel. Drill out cement retainer and cement down through the squeeze holes. Pressure test to 1500 psi. If the pressure leaks off, then plan to perform a block squeeze before drilling out further. Drill out the composite plug.

7. TIH and tag CIBP at 8440'. Using the N2 unit and power swivel, drill out the CIBP and push remains to the bottom of the hole at 8710'. POOH and LD bit and DCs.

8. MU casing scraper, SN with flow through plug and roundtrip tubing to 8650'. LD casing scraper.

9. RU perforators and lubricator. Re-perforate upper section of perforations 3 spf w/ 120 degree spacing on the following intervals with hollow carrier guns:

8246 - 8250'	4'	12 holes
8260 – 8264'	4'	12 holes
8275 – 8290'	15'	45 holes
8306 – 8316'	10'	30 holes
8326 – 8332'	8'	24 holes
8346 – 8358'	12'	36 holes
8364 – 8370'	6'	18 holes

10. Re-perforate lower section of perforations 3 spf w/ 120 degree spacing on the following intervals with hollow carrier guns:

8476 – 8508'	32'	96 holes
8513 – 8522'	9'	27 holes
8531 – 8571'	40'	120 holes
8577 – 8603'	26'	78 holes
8606 – 8617'	11'	33 holes

11. RD perforators. Kill well with produced water. MU SN, Weatherford J-latch packer (or Model R pkr), SN and workstring. TIH and set packer at 8400' +/- depending on collar location.

12. RU Baker Services. Acidize lower perforations via the tubing with 10000 gals 15% HCL. Stage with 150 bio-balls spaced in water spacers following every 2000 gals of acid. Total 600 bio-balls. Flush to perfs with fresh water. Wait on acid for 2 hrs to spend then swab back load and undissolved bio-balls.

13. Kill well with produced water. Release packer and PU to 8150 +/- depending on collar location. Reset packer.

14. Acidize upper perforations via the tubing with 8000 gals 15% HCL. Stage with 100 bio-balls spaced in water spacers following every 2000 gals of acid. Total 300 bio-balls. Flush w/ fresh water to perfs. Wait on acid for 2 hrs to spend then swab back load and undissolved bio-balls. RD Baker Services.

15. Kill well w/ produced water. POOH LD workstring and packer.

16. Redress packer if the coated packer was used to acidize. MU nickel coated SN w/ pump out plug (plug needs to be designed to hold a column of packer fluid at 8400'), 10' coated 2 7/8" sub, Weatherford nickel coated J-latch packer, on-off tool, and another SN. PU 261 jts of new 2 7/8" L-80 6.5 #/ft 8rd EUE tubing coated with TK-7 coating. TIH and set packer at 8159' +/- depending on collar location.

17. Release the on-off tool and circulate hole to fill annulus with packer fluid. Reconnect the on-off tool. ND BOPs and set 12,000 lbs. on the packer then NU the new tree.

18. Inform State official of need to witness MIT test. RU rig pump and perform an MIT on the annulus to 1500 psi (assuming State injection pressure limit of 1500 psi). Record with a chart recorder and hold pressure for 15 minutes.

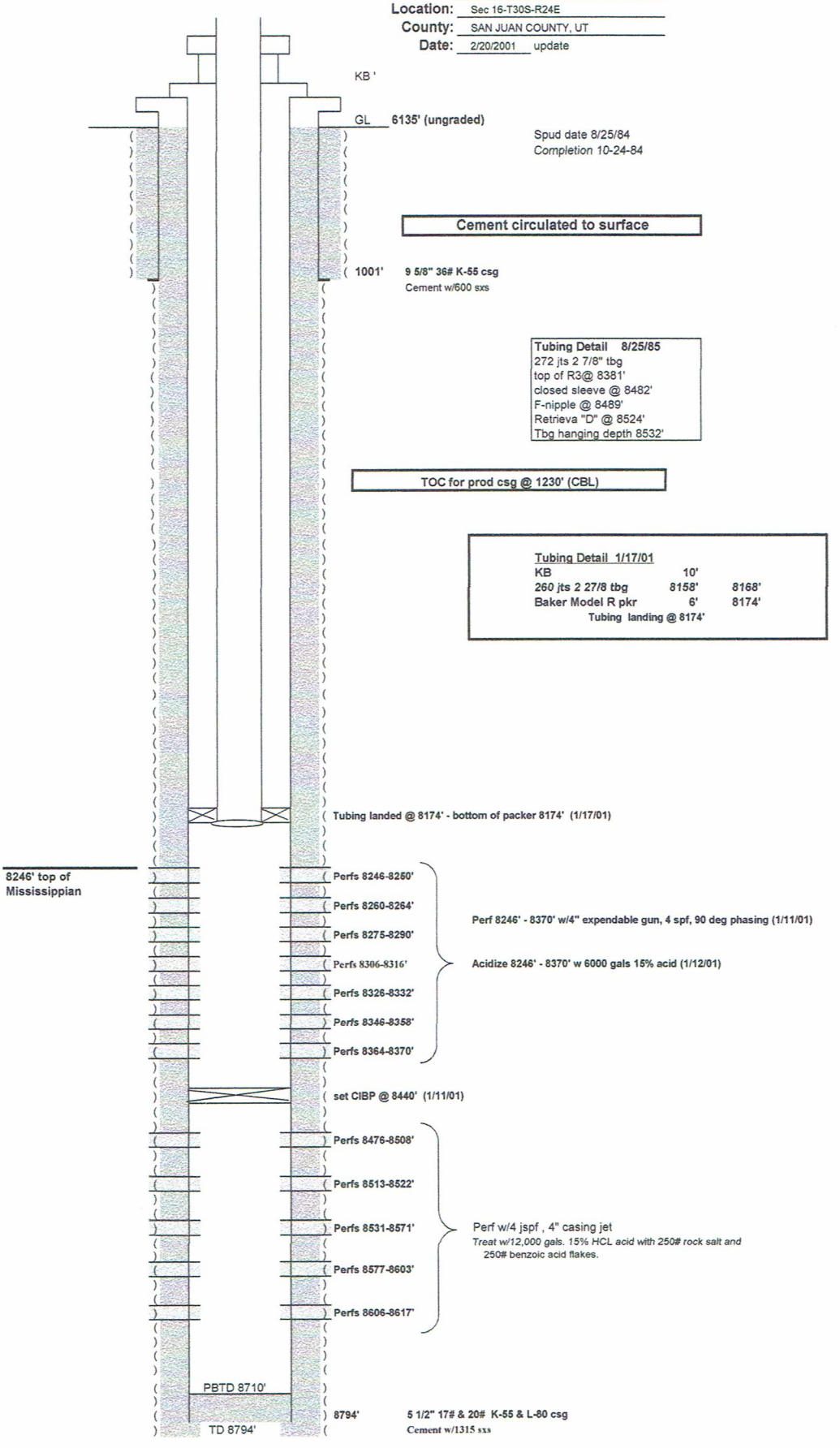
19. Pressure up on the tubing with N2 to test the tubing. Pump out the pump-out plug.

20. RU Baker Services and perform an Injection Step Rate Test. Establish injection rate vs. pressure curve with an anticipated frac pressure limit and an average anticipated injection pressure.

21. Bleed off pressure on tubing. Leave 300 psi on annulus for pressure monitoring purposes. RD Baker Services and workover rig. Clean location and SI well until injection begins.

WELLBORE DIAGRAM

Company: CCI Paradox Upstream, LLC
Lease Name: LISBON UNIT D-716
Location: Sec 16-T30S-R24E
County: SAN JUAN COUNTY, UT
Date: 2/20/2001 update



PROPOSED INJECTION WELLBORE DIAGRAM

Company: CCI Paradox Upstream, LLC
Lease Name: LISBON UNIT D-716
Location: Sec 16-T30S-R24E
County: SAN JUAN COUNTY, UT
Date: 11/3/2014
John Warren

KB 6149'

GL 6135' (ungraded)

Spud date 8/25/84
Completion 10-24-84

Cement circulated to surface

1001' 9 5/8" 36# K-55 csg
Cement w/600 sxs

Perforate 4 holes and circulate cement to surface. Squeeze at 1500 psi.

Tubing Detail	
KB	14'
261 jts 2 78" L-80 8rd EUE TK-7 Coated Tbg	8143'
F-nipple	1'
On-off tool	1'
Weatherford J-latch packer (nickle coated)	4'
10' x 2 7/8" nickle coated sub	10'
F-nipple nickle coated	1'
EOT	8174'

Weatherford J-latch Pkr set @ 8159'

EOT @ 8174'

Set Weatherford J-latch packer at +/- 8150'

8246' top of Mississippian

Perfs 8246-8250'
Perfs 8260-8264'
Perfs 8275-8290'
Perfs 8306-8316'
Perfs 8326-8332'
Perfs 8346-8358'
Perfs 8364-8370'

Perf 8246' - 8370' w/4" expendable gun, 4 spf, 90 deg phasing (1/11/01)

Re-perf 8246 - 8370' OA w/ hollow carrier guns 3 spf 120 degree phasing

Perfs 8476-8508'
Perfs 8513-8522'
Perfs 8531-8571'
Perfs 8577-8603'
Perfs 8606-8617'

Perf w/4 jspf , 4" casing jet in 10/84

Re-perf 8476 - 88617' OA w/ hollow carrier guns 3 spf 120 degree phasing

PBTD 8710'

8794' 5 1/2" 17# & 20# K-55 & L-80 csg
Cement w/1315 sxs

TD 8794'

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-13692

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.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: LISBON

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: LISBON UNIT D-716

2. NAME OF OPERATOR: CCI PARADOX UPSTREAM, LLC

9. API NUMBER: 43037310340000

3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1900S , Denver, CO, 80202

PHONE NUMBER: 303 728-2222 Ext

9. FIELD and POOL or WILDCAT: LISBON

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2240 FNL 1325 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 16 Township: 30.0S Range: 24.0E Meridian: S

COUNTY: SAN JUAN

STATE: UTAH

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

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

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 5/16/13. 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 323 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 presure was at 870 psi and tubing pressure was at 1090 psi. CCI hereby respectfully requests for a grant of 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.

REQUEST DENIED
Utah Division of Oil, Gas and Mining
Date: December 16, 2014
By: Dark K Quist

Please Review Attached Conditions of Approval

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

RECEIVED: Sep. 23, 2014

The Utah Division of Oil, Gas, and Mining

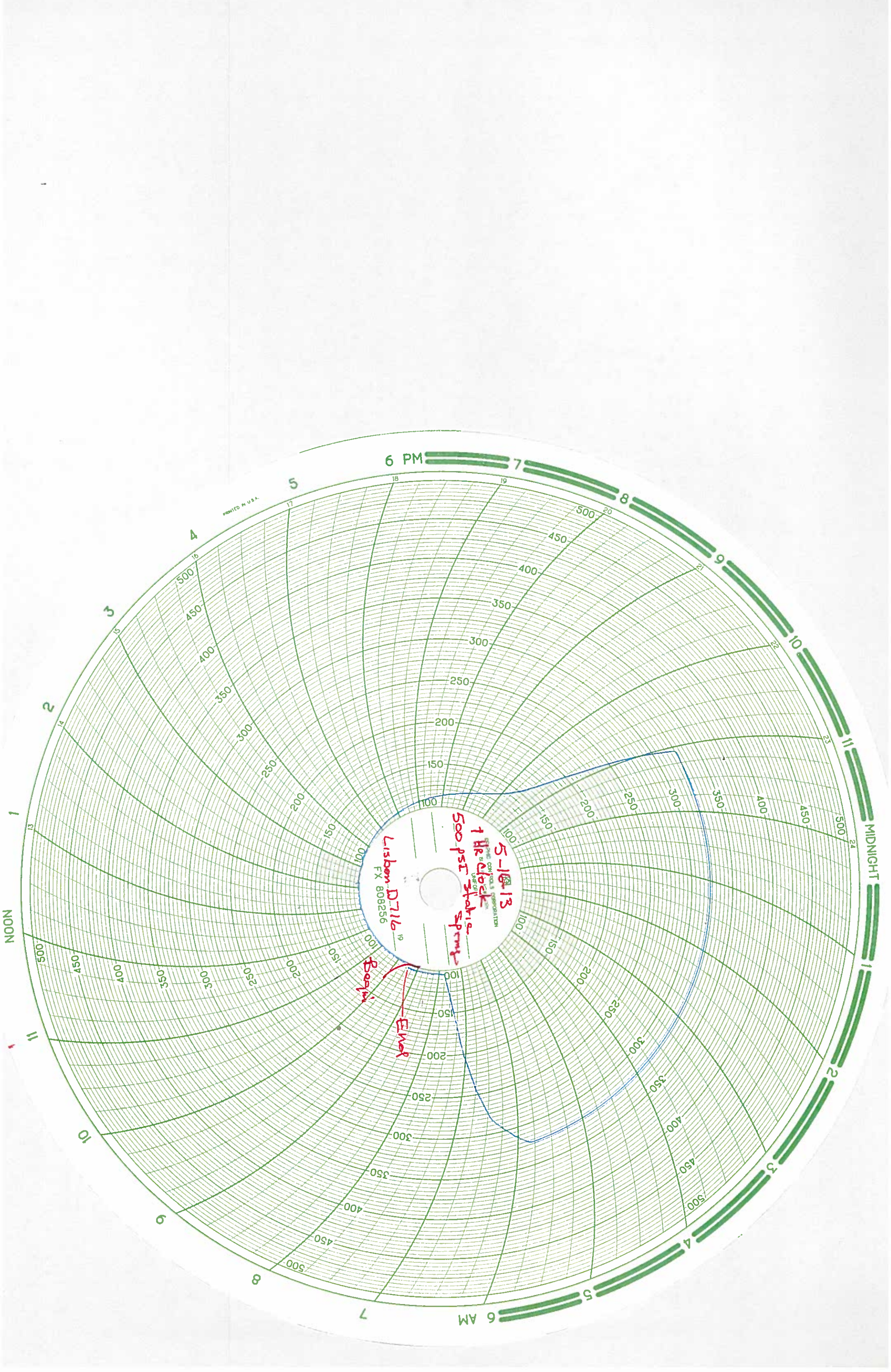
- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43037310340000

The information provided did not SHOW that the well had integrity. From the information provided previously, it does not appear that any pressure should be on the casing. The indication of pressure indicates a potential integrity issue that should be addressed immediately through proper explanation and/or remedial work if necessary.

RECEIVED: Dec. 16, 2014


6 PM
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MIDNIGHT
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6 AM
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11
NOON
PRINTED IN U.S.A.
5-16 @ 13
1 HR Clock
500 psi Static Spring
Lisbon D716 19
FX 808256
Beam Empty

UTAH DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas & Mining
Oil and Gas Program
1594 West North Temple, Suite 1210, Box 145801
Salt Lake City, UT 84114-5801
(801) 538-5340 Phone
(801) 359-3940 Fax

NOTICE OF VIOLATION
STATE OF UTAH
OIL AND GAS CONSERVATION ACT

◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆

TO THE FOLLOWING OPERATOR:

Operator Name: CCI PARADOX UPSTREAM, LLC

Mailing Address: ATTN: JOHN WARREN

600 17TH STREET, SUITE 1900S

DENVER, CO 80202

16 30S 24E

Well(s) or Site(s):1) LISBON B-616 API #: 43-037-16242

2) LISBON UNIT D-716 API #: 43-037-31034

Date and Time of Inspection/Violation: February 2, 2015

Under the authority of the Utah Oil and Gas Conservation Act, Section 40-6 et. Seq., Utah Code Annotated, 1953, as amended, the undersigned authorized representative of the Division of Oil, Gas and Mining (Division) has conducted an inspection of the above described site and/or records on the above date and has found alleged violation(s) of the act, rules or permit conditions as described below.

Description of Violation(s):

Rule R649-3-36, *Shut-in and Temporarily Abandoned Wells* – According to Rule R649-3-36, the operator is required to supply the Division with reasons for extended SI/TA, the length of time for extended SI/TA and proof of well bore integrity for every well SI/TA over 12 consecutive months. After five (5) years of continued SI/TA, the wells are to be plugged unless good cause is supplied to the Division for extended SI/TA in addition to the required information just mentioned.

Rule R649-3-4.3 *Bonding* – If the division finds that a well subject to this bonding rule is in violation of Rule R649-3-36, *Shut –in and Temporarily Abandoned Wells*, the division shall require a bond amount for the applicable well in the amount of actual plugging and site restorations costs.

Rule R649-3-4.41 *Bonding* – Within 30 days of notification by the division, the operator shall submit to the division an estimate of plugging and site restoration costs for division review and approval.

The Division has initiated several contacts with CCI Paradox Upstream, LLC (CCI) requesting required documents and action per R649-3-36. The wells listed have previously been issued SI/TA Notices, most recently on September 4, 2014. CCI replied to the notice on September 23, 2014 with a sundry requesting SI/TA extension. The Division denied the extension as the information provided did not show that the wells had integrity. It was also noted that pressure on each wells casing indicated a potential integrity issue and needed to be addressed immediately. The Division has not received any notice or indication that these wells issues have been addressed. The Lisbon B-616 well has been shut in for over eighteen (18) years, and the Lisbon Unit D-716 well for over five (5) years; which places them under the five (5) year requirement as stated in Rule R649-3-36.

The Division understands that the Lisbon Unit D-716 well is in the process of application to be converted to an injector. However, the requirement of the R-649-3-36 still applies until the well is completed as an injector.

UTAH DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas & Mining
Oil and Gas Program
1594 West North Temple, Suite 1210, Box 145801
Salt Lake City, UT 84114-5801
(801) 538-5340 Phone
(801) 359-3940 Fax

These wells are in violation of R-649-3-36 as listed above, therefore the Division requires CCI to plug these wells or meet the requirements for good cause and wellbore integrity. The Division also requires CCI to put up full cost bonding for the wells in violation above per R649-3-4. It is mandatory that CCI submit plugging plans to the Division by the compliance deadline below.

Immediate Action: For the wells subject to this notice, CCI shall fulfill full cost bonding. CCI shall also submit plans to plug and abandoned the wells contained in this Notice.

* **Fines may be levied up to $10,000.00 per day for every well in violation given the authority provided under U.C.A 40-6-11, part 4**

This notice shall remain in effect until it is modified, terminated, or vacated by a written notice of an authorized representative of the director of the Division of Oil, Gas and Mining. Failure to comply with this notice will result in the Division pursuing further actions against said operator. Further actions may include initiation of agency actions and requests for bond forfeiture and civil penalties.

Compliance Deadline: MARCH 15, 2015

Date of Service Mailing: February 10, 2015 **Certified Mail No.: 7011 2970 0001 8828 0613**

Division Representative Signature

Operator Representative (if presented in person)

cc: Compliance File
Well Files
LaVonne Garrison, SITLA

1/2013

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-13692

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.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: LISBON

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: LISBON UNIT D-716

2. NAME OF OPERATOR: CCI PARADOX UPSTREAM, LLC

9. API NUMBER: 43037310340000

3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1900S , Denver, CO, 80202

PHONE NUMBER: 303 728-2222 Ext

9. FIELD and POOL or WILDCAT: LISBON

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2240 FNL 1325 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 16 Township: 30.0S Range: 24.0E Meridian: S

COUNTY: SAN JUAN

STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 3/2/2015	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Additional Pipeline

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

CCI Paradox Upstream, LLC respectfully submits this request to install one additional 2-inch insulated surface injection pipeline with related infrastructure (valves, etc.) within the existing pipeline corridor that presently contains multiple 6-inch, 4-inch and 2-inch pipelines. The corridor crosses both SITLA and private surface with surface use previously in place for the entire corridor.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
March 04, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Don Hamilton	435 650-3866	Permitting Agent
SIGNATURE N/A		**DATE** 2/27/2015

RECEIVED: Feb. 27, 2015

Lisbon Unit D-716

CCI Paradox Upstream, LLC respectfully submits this request to install one additional 2-inch insulated surface injection pipeline with related infrastructure (valves, etc.) within the existing pipeline corridor that presently contains multiple 6-inch, 4-inch and 2-inch pipelines. The corridor crosses both SITLA and private surface with surface use previously in place for the entire corridor.

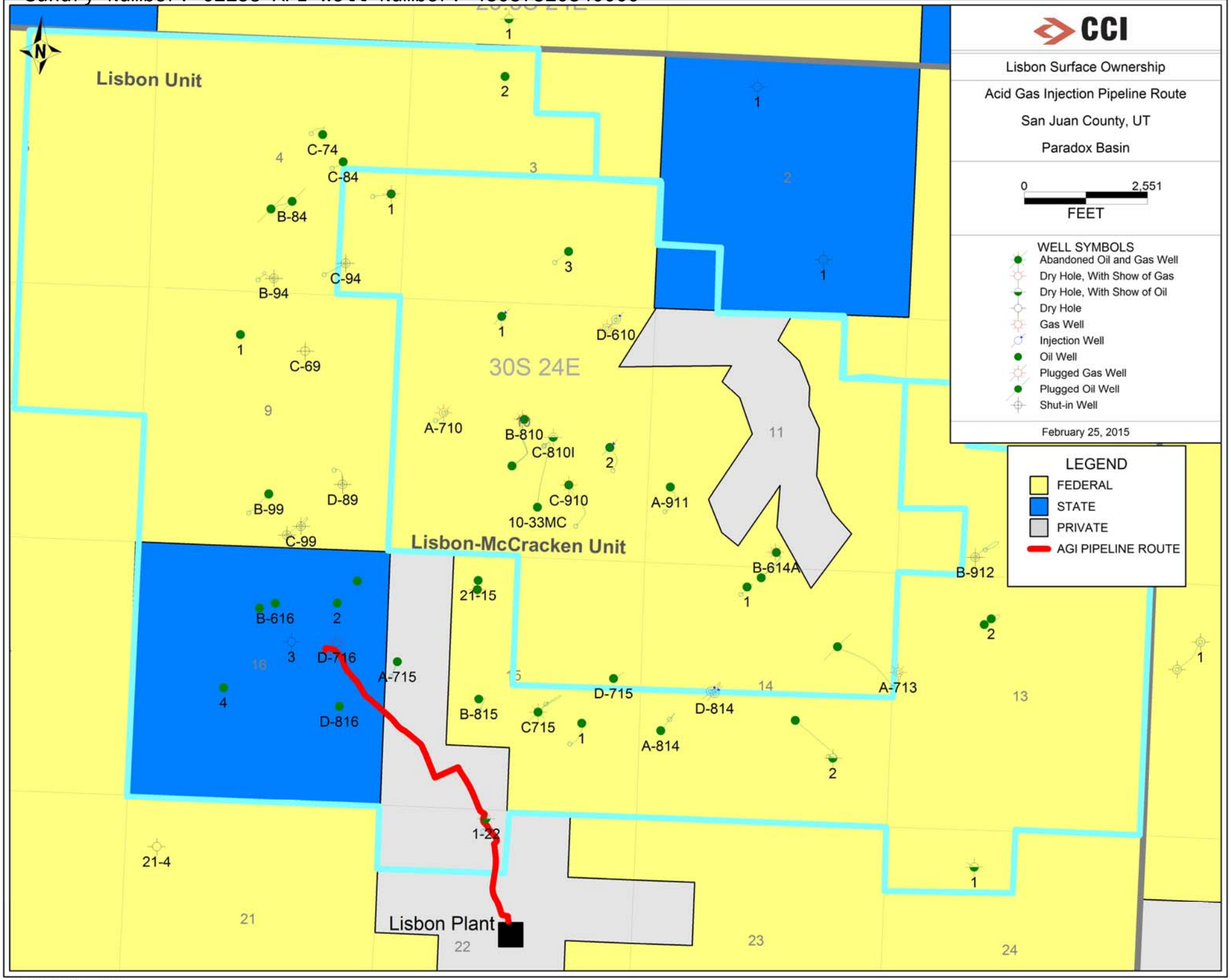
RECEIVED: Feb. 27, 2015

State of Utah
School & Institutional
Trust Lands Administration

Pipeline request to SITLA

Date	2/27/2015
Company name	CCI Paradox Upstream, LLC
Request Submitted by	Don Hamilton - Permitting Agent
Location of new pipeline (T/R/S)	T30S, R24E, Section 16, E/2,
Pipeline flows from	Lisbon Plant
Pipeline flows to	Lisbon D-716 (future injection well)
Pipeline distance (Total / on SITLA)	approximately 6,500 feet / 1,800 feet on SITLA
Pipe Description (Size, Material, etc)	additional 2-inch insulated surface injection pipeline
Permanent or Temporary pipeline (If temporary, give estimated removal / rehab date)	Permanent
Surface or Buried (If buried give estimated depth)	Surface
Pipeline will ONLY follow previously disturbed routes (Y/N)	Yes
Pipeline will Transport (Gas, produced water, frac water, injection water)	Injection Water
Pipeline is inside Unit (Y/N , Give Unit Name)	Yes, Lisbon Unit
This pipeline will cross unit lines (Y/N)	No
This pipeline will transport off-unit substances. (Y/N)	No
Attachments (Maps, Sundrys, etc.)	Map with ownership attached
Other notes or explainations	Pipeline will follow previously authorized existing corridor across SITLA and private surface that presently contains multiple 6-inch, 4-inch and 2-inch pipelines.
<u>Note to well and pipeline operators:</u> Off-lease or off-unit transportation across SITLA lands will necessitate an easement. New disturbance will necessitate arch and paleo surveys.	

RECEIVED: Feb. 27, 2015


CCI
Lisbon Surface Ownership
Acid Gas Injection Pipeline Route
San Juan County, UT
Paradox Basin
0
2,551
FEET
WELL SYMBOLS
Abandoned Oil and Gas Well
Dry Hole, With Show of Gas
Dry Hole, With Show of Oil
Dry Hole
Gas Well
Injection Well
Oil Well
Plugged Gas Well
Plugged Oil Well
Shut-in Well
February 25, 2015
LEGEND
FEDERAL
STATE
PRIVATE
AGI PIPELINE ROUTE
Lisbon Unit
Lisbon-McCracken Unit
30S 24E
Lisbon Plant
C-74
C-84
B-84
C-94
B-94
C-69
D-610
A-710
B-810
C-810I
C-910
10-33MC
A-911
B-99
D-89
C-99
B-614A
B-912
21-15
B-616
D-716
A-715
D-816
D-715
B-815
C715
A-814
D-814
A-713
1-22
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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
ML-13692

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.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:
LISBON

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
LISBON UNIT D-716

2. NAME OF OPERATOR:
CCI PARADOX UPSTREAM, LLC

9. API NUMBER:
43037310340000

3. ADDRESS OF OPERATOR:
600 17th Street, Suite 1900S , Denver, CO, 80202

PHONE NUMBER:
303 728-2222 Ext

9. FIELD and POOL or WILDCAT:
LISBON

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
2240 FNL 1325 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SENE Section: 16 Township: 30.0S Range: 24.0E Meridian: S

COUNTY:
SAN JUAN

STATE:
UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 2/28/2015	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Pumping & 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 February 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.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
March 12, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Ashley Noonan	303 728-2232	Regulatory Analyst
SIGNATURE		**DATE**
N/A		3/12/2015

RECEIVED: Mar. 12, 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	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																				

RECEIVED: Mar. 12, 2015

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-13692

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.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: LISBON

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: LISBON UNIT D-716

2. NAME OF OPERATOR: CCI PARADOX UPSTREAM, LLC

9. API NUMBER: 43037310340000

3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1900S , Denver, CO, 80202

PHONE NUMBER: 303 728-2222 Ext

9. FIELD and POOL or WILDCAT: LISBON

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2240 FNL 1325 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 16 Township: 30.0S Range: 24.0E Meridian: S

COUNTY: SAN JUAN

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 2/23/2015	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	✓ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

CCI Paradox Upstream, LLC. (CCI) has plans to preform a workover on the Lisbon D-716 on February 23, 2015 to Convert the Wellbore into an Acid Gas Injection Well/or Water Injection Well. (Please see the attached procedure) A current Wellbore Diagram as well as a proposed Wellbore Diagram are attached following the procedure document. An MIT will be preformed at the end of these changes, approximately 2 weeks out. A notice 24 hours prior to the MIT will be sent out prior to the MIT being conducted. If you have any questions or concerns please contact John Warren (303) 728-2226 or Chrissy Schaffner at (303) 728-2217.

Accepted by the Utah Division of Oil, Gas and Mining

Date: March 16, 2015

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Ashley Noonan	303 728-2232	Regulatory Analyst
SIGNATURE N/A		**DATE** 2/23/2015

RECEIVED: Feb. 23, 2015

CCI Paradox Midstream, LLC
Lisbon Unit D-716
SW NE Section 16-T30S-R24E
San Juan County, Utah

Proposed Procedure to Convert the Wellbore into an Acid Gas Injection Well or Water Injection Well

Well Data: GL 6135' KB 6149'

Completion date 10/24/84

Surface Casing 9 5/8" 36 3/ft K-55
Cemented to surface w/ 600 sxs cement

Production Casing 5 ½" 17 & 20 #/ft K-55 & L-80
Cemented w/ 1315 sxs cement – TOC @ 1230'
Capacity = 0.0232 bbls/ft
!7# collapse = 4910 psi; 20# collapse = 8830 psi

Tubing & Packer: 260 jts of 2 7/8" L-80 6.5 #/ft 8rd EUE tbg set with a Model R pkr @ 8174'. Tbg capacity = 0.00579 bbls/ft.

Current Status:

Well is inactive. A successful MIT was performed 5/15/2013. SITP is currently 1090 psi. The well has a packer set at 8174' isolating the perforations in the Mississippian formation from the casing above the packer.

A CIBP was set in January 2010 to seal off Water producing intervals in the Mississippian formation.

A current wellbore schematic is attached along with a proposed WBD.

Intent:

It is intended to create a potential acid gas injection well or water injection well in the Lisbon D-716 wellbore as a backup to existing injection wells being utilized in the Lisbon field by the Lisbon Processing Plant. The Lisbon D-716 is an ideal candidate due to its more recent age, additional high porosity intervals below the CIBP, 20# L-80 casing across the Paradox salts & Mississippian and has cement to surface behind the surface casing string. The well has undergone a successful MIT test in 2013 indicating good casing above the existing isolation packer.

RECEIVED: Feb. 25, 2015

The intent of the procedure will to be to remove the existing retrievable packer, set easy drill plugs to keep the wellbore full of fluid and squeeze cement behind the production casing from 1230' to surface. The easy drill plugs and an existing CIBP will be drill out to commingle all of the Mississippian perforated intervals. The intervals will be reperforated and acidized. The entire section will be isolated beneath a packer and an injectivity test and another MIT will be performed.

Recommended Procedure:

1. In preparation for completion of the well for acid gas injection, have seating nipples, on-off tool and the new 5 ½ packer nickel coated. Will plan to use the 2 3/8" L-80 4.5 #/ft 8rd EUE tubing off of the Lisbon B-814 well that is coated internally with TK-7 coating. Joints that were questionable have been replaced with new coated tbg. Plan to reuse the tree off of the Lisbon B-814. It is currently being refurbished in Cameron's shop.

2. Set 2 frac tanks. Fill one with 500 bbls of produced water for well control. Fill the second with 200 bbls of fresh water for squeeze work.

3. RU a workover rig. RU safety crew with separator and flare. Bleed down pressure through the safety equipment and flare. ND tree and NU BOPE. Offload the new 2 7/8" L-80 workstring.

4. PU and release the Model R packer. POOH laying down the tbg and packer. If packer is in good shape, may want to use it later in the procedure to perform isolation for acid work. Do not use existing tubing as a work string due to the environment that it has been producing in.

5. RU wireline truck. RIH and set a composite plug at 8170'. Fill hole w/ 190 bbls of produced water (this will aid casing in resisting collapse). RIH and set a composite plug at 1250'. This should be 20' below the calculated original TOC. MU perforating gun and RIH to perforate production casing with 4 squeeze holes at 1220'. Open annulus valve. Establish circulation w/ fresh water. If unable to circulate, may have to perforate at 1200'. Need to be able to inject into the perforations and establish circulation before setting a retainer. RD wireline truck.

6. MU cement retainer, seal assy and PU 1200' of 2 7/8" workstring. TIH and sting into retainer. RU Baker Services and re-establish circulation to surface. Circulate 250 sks of 14.6 ppg, 1.37 yield, type III cement to surface behind the production pipe from 1220' to surface using the Baker Hughes cementing proposal. Squeeze at 1500 psi. Sting out of retainer and reverse out tubing. RD Baker Services.

RECEIVED: Feb. 25, 2015

7. MU bit, 6 DCs and TIH. WO cement to fully cure. RU power swivel. Drill out cement retainer and cement down through the squeeze holes using produced water. Pressure test to 1500 psi. If the pressure leaks off, then plan to perform a block squeeze before drilling out further. Drill out the top composite plug at 1250'. TOOH.

8. MU casing scraper and roundtrip tubing to 1250'. LD casing scraper.

9. RU wireline services. RIH w/ CBL and log from plug to surface.

10. MU bit, 6 DCs and TIH. Tag the second composite plug at 8170'.

11. RU the N2 unit and displace out the produced water. Using the N2 unit and power swivel, drill out the composite plug and TIH to the tag the CIBP at 8440'.

12. RU wireline services with a lubricator. Re-perforate upper section of perforations 3 spf w/ 120 degree spacing on the following intervals with hollow carrier guns:

8246 - 8250'	4'	12 holes
8260 – 8264'	4'	12 holes
8275 – 8290'	15'	45 holes
8306 – 8316'	10'	30 holes
8326 – 8332'	6'	24 holes
8346 – 8358'	12'	36 holes
8364 – 8370'	6'	18 holes

13. Kill the well with produced water. MU short tail pipe w/ a SN, a retrievable packer, 1 jt tbg, SN and TIH to set packer at 8170'.

14. RU Baker Hughes Services. Acidize upper perforations via the tubing with 8000 gals 15% HCL. Stage with 100 bio-balls following every 2000 gals of acid. Total 300 bio-balls. Flush w/ fresh water to perfs. Wait on acid for 2 hrs to spend then swab back load and undissolved bio-balls.

15. Perform an Injection Step Rate Test using the Baker Hughes pumping equipment. Establish injection rate vs. pressure curve with an anticipated frac pressure limit and an average anticipated injection pressure. RD Baker Hughes.

16. Release packer and POOH. LD pkr.

17. MU bit, 6 DCs and TIH to 8440'. Using the power swivel and N2, drill out the CIBP and push remains to at least 8670' which is 50' below the bottom perforation. POOH and LD bit and DCs.

RECEIVED: Feb. 25, 2015

18. RU wireline services w/ a lubricator. Re-perforate lower section of perforations 3 spf w/ 120 degree spacing on the following intervals with hollow carrier guns:

8476 – 8508’	32’	96 holes
8513 – 8522’	9’	27 holes
8531 – 8571’	40’	120 holes
8577 – 8603’	26’	78 holes
8606 – 8617’	11’	33 holes

19. RD perforators. Kill well with produced water. MU retrievable packer assy. TIH and set packer at 8400’.

20. RU Baker Services. Acidize lower perforations via the tubing with 12000 gals 15% HCL. Stage with 120 bio-balls following every 2000 gals of acid. Total 600 bio-balls. Flush to perfs with fresh water. Wait on acid for 2 hrs to spend then swab back load and undissolved bio-balls.

21. Perform an Injection Step Rate Test using the Baker Hughes pumping equipment. Establish injection rate vs. pressure curve with an anticipated frac pressure limit and an average anticipated injection pressure. RD Baker Hughes.

22. Kill well with produced water. Release packer and POOH LD workstring and packer.

23. MU nickel coated 1.81” SN w/ pump out plug (plug needs to be designed to hold a column of packer fluid at 8400’), 10’ coated 2 3/8” sub, Weatherford nickel coated 5 ½ x 2 3/8” J-latch packer, on-off tool, and a 1.87” SN. MU the string of 2 3/8” L-80 tubing coated with the TK-7 coating. TIH and set packer at 8170’ +/- depending on tubing length to set without using pup jts (be sure to include length for setting down 12,000# tbg weight). Recommend being higher than lower to be sure to have good casing integrity.

24. Release the on-off tool and circulate hole to fill annulus with packer fluid. Reconnect the on-off tool. ND BOPs and set 12,000 lbs. on the packer. NU the refurbished tree from the Lisbon B-814.

25. Inform State official of need to witness MIT test. RU rig pump and perform an MIT on the annulus to 1500 psi (assuming State injection pressure limit of 1500 psi). Record with a chart recorder and hold pressure for 15 minutes. This step may have to repeat using the pressure washer when the State official is available.

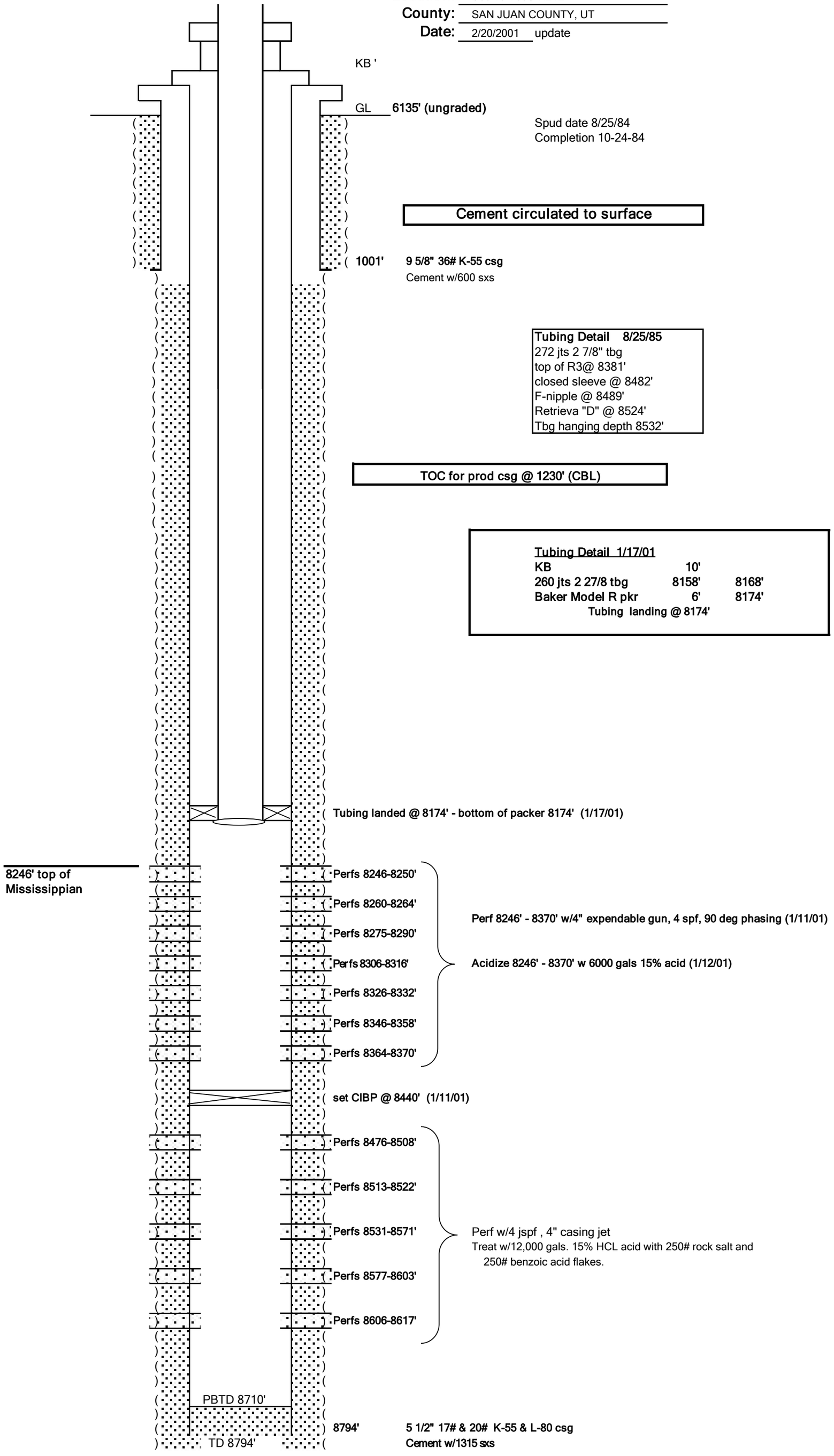
RECEIVED: Feb. 25, 2015

26. Pressure up on the tubing with N2 to test the tubing. Pump out the pump-out plug. RD workover rig and services. Clean location and SI well until injection begins.

RECEIVED: Feb. 25, 2015

WELLBORE DIAGRAM

Company: CCI Paradox Upstream, LLC
Lease Name: LISBON UNIT D-716
Location: Sec 16-T30S-R24E
County: SAN JUAN COUNTY, UT
Date: 2/20/2001 update



PROPOSED INJECTION W E L L B O R E D I A G R A M

Company: CCI Paradox Upstream, LLC
Lease Name: LISBON UNIT D-716
Location: Sec 16-T30S-R24E
County: SAN JUAN COUNTY, UT
Date: 11/3/2014
John Warren

KB **6149'**

GL **6135' (ungraded)**

Spud date 8/25/84
Completion 10-24-84

Cement circulated to surface

1001' **9 5/8" 36# K-55 csg**
Cement w/600 sxs

Perforate 4 holes @ 1220' and circulate cement to surface. Squeeze at 1500 psi.

Top of Paradox Salt @ 5166' MD, 5157' TVD

Tubing Detail	
KB	14'
261 jts 2 78" L-80 8rd EUE TK-7 Coated Tbg	8143'
F-nipple	1'
On-off tool	1'
Weatherford J-latch packer (nickle coated)	4'
10' x 2 7/8" nickle coated sub	10'
F-nipple nickle coated	1'
EOT	8174'

Base of Paradox Salt @ 8119' MD, 8099' TVD

Weatherford J-latch Pkr set @ 8159'

EOT @ 8174'

Set Weatherford J-latch packer at +/- 8150'

8246' top of Mississippian

Perfs 8246-8250'
Perfs 8260-8264'
Perfs 8275-8290'
Perfs 8306-8316'
Perfs 8326-8332'
Perfs 8346-8358'
Perfs 8364-8370'

Perf 8246' - 8370' w/4" expendable gun, 4 spf, 90 deg phasing (1/11/01)

Re-perf 8246 - 8370' OA w/ hollow carrier guns 3 spf 120 degree phasing

Perfs 8476-8508'
Perfs 8513-8522'
Perfs 8531-8571'
Perfs 8577-8603'
Perfs 8606-8617'

Perf w/4 jspf , 4" casing jet in 10/84

Re-perf 8476 - 88617' OA w/ hollow carrier guns 3 spf 120 degree phasing

PBTD 8710'

8794' **5 1/2" 17# & 20# K-55 & L-80 csg**
Cement w/1315 sxs

TD 8794'

RECEIVED: Feb. 25, 2015

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-13692

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.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: LISBON

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: LISBON UNIT D-716

2. NAME OF OPERATOR: CCI PARADOX UPSTREAM, LLC

9. API NUMBER: 43037310340000

3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1900S , Denver, CO, 80202

PHONE NUMBER: 303 728-2222 Ext

9. FIELD and POOL or WILDCAT: LISBON

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2240 FNL 1325 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 16 Township: 30.0S Range: 24.0E Meridian: S

COUNTY: SAN JUAN

STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 3/23/2015	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Mechanical Integrity Test

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

CCI Paradox Upstream LLC (CCI) intends to preform a mechanical integrity test (MIT) on the Lisbon D-716 on March 20, 2015 (around noon) as one of the final steps to convert the Wellbore into an Acid Gas Injection Well/or Water Injection Well. This notice of intent serves as notification 24 hours prior to the MIT being conducted. If you have any questions or concerns please contact Scott Shull at 970-903-1198, John Warren at 303-728-2226 or Chrissy Schaffner at 303-728-2217. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
March 24, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Chrissy Lawson	303 563-5378	Regulatory Specialist
SIGNATURE N/A		**DATE** 3/18/2015

RECEIVED: Mar. 18, 2015

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-13692

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.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: LISBON

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: LISBON UNIT D-716

2. NAME OF OPERATOR: CCI PARADOX UPSTREAM, LLC

9. API NUMBER: 43037310340000

3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1900S , Denver, CO, 80202

PHONE NUMBER: 303 728-2222 Ext

9. FIELD and POOL or WILDCAT: LISBON

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2240 FNL 1325 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 16 Township: 30.0S Range: 24.0E Meridian: S

COUNTY: SAN JUAN

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 3/31/2015	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☑ OTHER	OTHER: Pumping & 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 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.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
April 08, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Ashley Noonan	303 728-2232	Regulatory Analyst
SIGNATURE N/A		**DATE** 4/7/2015

RECEIVED: Apr. 07, 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							

RECEIVED: Apr. 07, 2015

Utah
CCI Paradox Upstream, LLC
Shut- In Wells

Required Actions

Tubing Jul	Casing Aug	Tubing Aug	Casing Sep	Tubing Sep	Casing Oct	Tubing Oct	Casing Nov	Tubing Nov	Casing Dec	Tubing Dec

RECEIVED: Apr. 07, 2015

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5.LEASE DESIGNATION AND SERIAL NUMBER: ML-13692

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: LISBON

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: LISBON UNIT D-716

2. NAME OF OPERATOR: CCI PARADOX UPSTREAM, LLC

9. API NUMBER: 43037310340000

3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1900S , Denver, CO, 80202

PHONE NUMBER: 303 728-2222 Ext

9. FIELD and POOL or WILDCAT: LISBON

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2240 FNL 1325 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 16 Township: 30.0S Range: 24.0E Meridian: S

COUNTY: SAN JUAN

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 4/14/2015	✓ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

CCI Paradox Upstream, LLC, plans to acidize the Lisbon Unit D-716 well. This well is being converted to an injection well. UIC application was submitted 12/11/2014. Please see attached procedure for acidizing and performance of a step-rate test. Final step-rate test information will be submitted as part of the application for injection.

Approved by the Utah Division of Oil, Gas and Mining

Date: April 27, 2015

By: Dark K Quist

Please Review Attached Conditions of Approval

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Denise Onyskiw	720 260-2963	Permitting Agent
SIGNATURE N/A		**DATE** 4/14/2015

RECEIVED: Apr. 14, 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 43037310340000

The cementing, acidizing and MIT procedure approved on Sundry Number 57667 submitted 11/9/2014 and Accepted by DOGM on 11/25/2014 should be followed. The length of the SRT should be a minimum of 15 minutes for each step and each step should be of equal length. The length of time will depend on time necessary to get a stabilized injection rate. Please refer to the attached DOGM recommendations for performing a SRT for the minimum requirements.

RECEIVED: Apr. 27, 2015

RECOMMENDATIONS FOR PERFORMING

INJECTION WELL

STEP-RATE TESTS

STATE OF UTAH

DIVISION OF OIL, GAS & MINING

UNDERGROUND INJECTION CONTROL PROGRAM

General

Step-rate injection tests are performed on wells to determine the maximum safe injection pressure at which a well can operate that is below the formation fracturing (parting) pressure. Tests on wells which have been previously fractured will determine pressure at which fractures will re-open or be extended. It is important to stay below the parting pressure during normal operation of injection wells to prevent out of zone fluid and energy loss.

Testing Procedure

Step-rate tests are run by injecting fluid at a series of increasing rates or pressures with each step being of equal time length. Injection pressures, rates, and times are recorded for each step.

- Plans should be made to assure an adequate water supply is available for the entire test.
- Steps should be long enough to allow for adequate stabilization of the reservoir. A minimum of 15 minutes is recommended and 30 to 60 minutes especially if the injection zone has low permeability.
- A minimum of 7 steps is recommended to define the parting pressure, 4 steps below the parting pressure and 3 steps above the parting pressure.
- Either rate or pressure must be held constant during each step.
- Steps must be of equal time length.
- Plot test results. Pressure versus rate should be plotted using downhole pressure data. A break in slope should indicate the parting pressure of the formation.

Pressure fall-off tests can be run to verify if a break in a pressure-rate plot is actually caused by fracturing. Short term fall-off tests can be run above and below the apparent parting pressure and analyzed for fracture length. If the calculated fracture length from the high pressure test is much longer, the break probably represents fracturing.

Proposal No: 1001178212A

CASTLETON COMMODITIES INTERNATIONAL
Lisbon D-716

April 10, 2015

Acidizing Proposal

Prepared for:
John Warren
Vice President of Operations
CCI

Prepared by:
BRYAN J KANG
District Engineer

Service Point:
PP, FARMINGTON
Bus Phone: 505-3276222
Fax: 505-327-5766

Service Representatives:
Jason B Thomas
Sales Representative

Powered by
PowerVision

Gr4105

RECEIVED: Apr. 14, 2015

Operator Name: CASTLETON COMMODITIES INTERNATIONAL
Well Name: Lisbon D-716
Job Description: Step Rate Analysis
Date: April 10, 2015

Proposal No: 1001178212A

JOB AT A GLANCE

Surface Treating Pressure (max)		2,188 psi
Total Rate (max)		5.00 bpm
Estimated Pump Time (HH:MM)		00:50
Injection Fluid	5,775 gals	Fresh Water

Procedure:

To perform this step rate analysis, we will start at 0.5 bpm and climb to 5 bpm in 0.5 bpm increments. We will need to stay at each step rate for at least 5 minutes.

Have more questions? You can find us at:
http://www.bakerhughes.com/products-and-services/pressure-pumping

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Job Description: Step Rate Analysis
Date: April 10, 2015

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WELL DATA

RESERVOIR DATA

Depth to Middle Perforation	8,308	ft
Fracture Gradient	0.43	psi/ft
Bottom Hole Fracture Pressure	3,597	psi
Bottom Hole Static Temperature	213	° F

PERFORATED INTERVAL

DEPTH(ft)		Perf Diameter (in)	Total Perfs
MEASURED	TRUE VERTICAL		
8,246 - 8,370	8,246 - 8,370	0.40	234

Total Number of Perforations	234
Total Feet Perforated	124 ft

TUBULAR GEOMETRY

				Top	Bottom
Casing	5 1/2" O.D.	(4.778" .I.D)	20 #	0	8,400
Tubing	2 3/8" O.D.	(1.995" .I.D)	4.7 #	0	8,169

End of Tubing	8,169 ft
Pump Via	Tubing

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ACID TREATMENT SCHEDULE

INPUT PARAMETERS

TVD Depth (Mid Perforation)	8,308 ft
MD Depth (Mid Perforation)	8,308 ft
Perforations Number	234
Perforation Diameter	0.400 in
Bottom Hole Frac Pressure	3,597 psi
Bottom Hole Static Temperature	213 ° F

				Top	Bottom
Casing	5 1/2" O.D.	(4.778" I.D.)	20 #	0	8,400
Tubing	2 3/8" O.D.	(1.995" I.D.)	4.7 #	0	8,169

CALCULATED RATES, PRESSURES & HHP REQUIREMENTS

	Maximum	Minimum	Average
Surface Treating Pressure (psi)	2,188	38	896
Slurry Rate (bpm)	5.0	0.5	2.8
Slurry Hydraulic Horsepower	269	1	61

PROCEDURE

Stage	Fluid		Diverting Agents				
	Type	Volume (gal)	Conc. (pda)	Type	Stage (volume)	Cum (lbs)	Cum (b.s.)
1	Fresh Water	105					
2	Fresh Water	210					
3	Fresh Water	315					
4	Fresh Water	420					
5	Fresh Water	525					
6	Fresh Water	630					
7	Fresh Water	735					
8	Fresh Water	840					
9	Fresh Water	945					
10	Fresh Water	1050					
Total		5775					

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ACID TREATMENT SCHEDULE

TREATMENT SCHEDULE

Stage	Surface Treating Pressure (psi)	Rates			Volume				Stage Pump Time hh:mm:ss
		Slurry (bpm)	Clean Fluid (bpm)	Divertor Rate (lb/min)	Slurry		Fluid		
					Stage (bbls)	Cum. (bbls)	Stage (bbls)	Cum. (bbls)	
1	37	0.5	0.5		2.5	2.5	2.5	2.5	00:05:00
2	124	1.0	1.0		5.0	7.5	5.0	7.5	00:05:00
3	254	1.5	1.5		7.5	15.0	7.5	15.0	00:05:00
4	423	2.0	2.0		10.0	25.0	10.0	25.0	00:05:00
5	630	2.5	2.5		12.5	37.5	12.5	37.5	00:05:00
6	874	3.0	3.0		15.0	52.5	15.0	52.5	00:05:00
7	1152	3.5	3.5		17.5	70.0	17.5	70.0	00:05:00
8	1464	4.0	4.0		20.0	90.0	20.0	90.0	00:05:00
9	1810	4.5	4.5		22.5	112.5	22.5	112.5	00:05:00
10	2188	5.0	5.0		25.0	137.5	25.0	137.5	00:05:00

Total Pump Time: 00:50:00

Have more questions? You can find us at:
http://www.bakerhughes.com/products-and-services/pressure-pumping

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PRICE ESTIMATE

Service Charges

QTY	UNIT	PRODUCT DESCRIPTION	UNIT PRICE	GROSS AMOUNT	DISC (%)	NET AMOUNT
1	ea	Personnel Per Diem Chrg - Acid Svc	210.00	210.00	0.0	210.00
		Service Charges Subtotal:		$210.00		$210.00

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	ea	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
		Equipment Subtotal:		$13,399.00		$4,019.70
		TOTAL:		**$13,609.00**		**$4,229.70**

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.

RECEIVED: Apr. 14, 2015

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.

RECEIVED: Apr. 14, 2015

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 CONTAINMENT 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

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 re-perform 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 or 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, 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

Rev. 1 January 2012

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, lightening, 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.

Rev. 1 January 2012

RECEIVED: Apr. 14, 2015

Operator Name: CASTLETON COMMODITIES INTERNATIONAL
Well Name: Lisbon D-716
Date: April 10, 2015

Proposal No: 1001178212A

End of Report

RECEIVED: Apr. 14, 2015

RECEIVED: Apr. 14, 2015

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.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-13692

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: LISBON

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: LISBON UNIT D-716

2. NAME OF OPERATOR: CCI PARADOX UPSTREAM, LLC

9. API NUMBER: 43037310340000

3. ADDRESS OF OPERATOR: 811 Main Street, Suite 3500 , Houston, TX, 77002

PHONE NUMBER: 281 714-2949 Ext

9. FIELD and POOL or WILDCAT: LISBON

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2240 FNL 1325 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 16 Township: 30.0S Range: 24.0E Meridian: S

COUNTY: SAN JUAN

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 4/30/2015	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☑ OTHER	OTHER: Pumping & 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.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
June 04, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Ashley Noonan	720 319-6830	Regulatory Analyst
SIGNATURE N/A		**DATE** 5/18/2015

RECEIVED: May. 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																

RECEIVED: May. 18, 2015

CCI

Castleton Commodities International LLC
811 Main Street, Suite 3500
Houston, TX 77002-6225

T (281) 378-1100
F (281) 378-1250

May 27, 2015

Utah Department of Natural Resources
Division of Oil, Gas and Mining
Oil and Gas Program
1594 West North Temple, Suite 1210, Box 145801
Salt Lake City, UT 84114-5801

Re: State of Utah Notice of Violation, February 10, 2015
CCI Paradox Upstream LLC

Dear Mr. Doucet:

In response to the UDOGM Notice of Violation of R-649-3-36 for the following wells:

Lisbon B-616 **API: 43-037-16242**
Lisbon Unit D-716 **API: 43-037-31034** > S. 16, T. 30S, R. 24E

CCI Paradox Upstream LLC ("CCI") has completed the procedure to Plugged and Abandoned ("P&A") the Lisbon B-616 as of May 8, 2015. A sundry notice was submitted to the agency on May 18, 2015 with a WBD as well as cementing procedure.

CCI continues to permit the Lisbon Unit D-716 well as a UIC well. A Mechanical Integrity test was conducted on March 24, 2015, the chart was sent to Ammon McDonald on May 11, 2015 via email.

If you have any questions regarding this assertion of completed corrective actions, please contact Chrissy Schaffner at (281) 714-2966 or Chrissy.Schaffner@CCI.com.

Sincerely,

Chrissy Schaffner

Chrissy Schaffner
Regulatory Affairs

RECEIVED
JUN 01 2015
DIV. OF OIL, GAS & MINING

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

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-13692

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.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: LISBON

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: LISBON UNIT D-716

2. NAME OF OPERATOR: CCI PARADOX UPSTREAM, LLC

9. API NUMBER: 43037310340000

3. ADDRESS OF OPERATOR: 811 Main Street, Suite 3500 , Houston, TX, 77002

PHONE NUMBER: 281 714-2949 Ext

9. FIELD and POOL or WILDCAT: LISBON

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2240 FNL 1325 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 16 Township: 30.0S Range: 24.0E Meridian: S

COUNTY: SAN JUAN

STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 5/31/2015	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☑ OTHER	OTHER: Monthly casing and tubing pr

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

CCI Paradox Upstream, LLC has gathered casing and tubing pressures for the month of May 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.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
June 22, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Ashley Noonan	720 319-6830	Regulatory Analyst
SIGNATURE N/A		**DATE** 6/9/2015

RECEIVED: Jun. 09, 2015

Utah
CCI Paradox Upstream, LLC
Shut- In Wells

Required Actions

Well Name	API	Casing Jan	Tubing Jan	Casing Feb	Tubing Feb	Casing Mar	Tubing Mar	Casing Apr	Tubing Apr	Casing May	Tubing May
BIG INDIAN UNIT 1	4303716219			480	2400	500	2400	520	2400	500	2400
BULL HORN U 10-43	4303731831			280	0	220	0	220	0	218	0
LISBON B-616	4303716242	40	40	40	40	24	20	P&A	P&A	P&A	P&A
LISBON B-84	4303730054			-4	101	4	100	-4	100	-4	98
LISBON B912	4303715769			1100	60	1125	60	1125	60	1140	60
LISBON B-94	4303730695			0	0	0	0	0	0	0	0
LISBON C-69	4303716245			180	810	580	800	580	800	590	800
LISBON C-910	4303731323			480	60	445	80	500	80	510	85
LISBON C-94	4303716247			30	0	0	0	0	0	0	0
LISBON C-99	4303730693			20	1000	45	1000	20	1000	20	1000
LISBON D-616	4303715049			0	15	Rig	Rig	P&A	P&A	P&A	P&A
LISBON D-716	4303731034			8	1160	0	0	Inj	Inj	Inj	Inj
LISBON D-84	4303716250			480	60	560	550	560	550	565	550
LISBON D-89	4303716251			100	140	unable	unable	100	325	375	375
FEDERAL 15-25	4303730317			380 Bottom/3300 Top	3300	3300	3200	3350	3300	3400	3250

RECEIVED: Jun. 09, 2015

Utah
CCI Paradox Upstream, LLC
Shut- In Wells

Required Actions

2015 Casing/Tubing Pressure

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

RECEIVED: Jun. 09, 2015

12/11/2014

43-037-31034
No 30S 24E

RECEIVED
DEC 22 2014
DIV. OF OIL, GAS & MINING

Mr. Bradley Hill
Utah Division of Oil, Gas, and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84114-5801

Dear Brad,

On behalf of CCI Paradox Upstream, LLC, I am pleased to submit the **Lisbon Unit D-716** application for underground injection control.

This particular well is part of the Lisbon Unit and will be permitted as a disposal well for the injection of acid gas and water. The logs for this well as well as surrounding wells in the ½-mile radius area of review are currently being printed and will be send to your attention. The mixed water deposition potential indicators for the B-624 and B-912 wells have been included. This document was used to permit the Lisbon A-715 disposal well. I have enclosed Form 1 and all application attachments. The sundry for conversion has been submitted online and is sundry number 57667. The conversion procedures has been uploaded to the sundry.

If you have any questions or need any more information, please do not hesitate to contact me at (720) 260-2963 or denise@onyskiwengineering.com.

Sincerely,

Denise M. Onyskiw

Denise M. Onyskiw, P.E.
Onyskiw Engineering, LLC

ONYSKIW ENGINEERING, LLC
12081 West Alameda Parkway, #513, Lackwood, CO 80228 • (720) 260-2963 • denise@onyskiwengineering.com

LISBON UNIT D-716

Application for Underground Injection Control/Disposal

CCI Paradox Upstream, LLC, is intending to convert the Lisbon Unit D-716 (43-037-31034-00) into an injection well. The fracture gradient of the Mississippian Leadville in this area is 0.9 psi/ft.

Denise M. Onyskiw, P.E.

12/11/2014

LISBON UNIT D-716

Application for Underground Injection Control/Disposal

PROPOSED INJECTION PROGRAM

CCI Paradox Upstream, LLC (CCI) will be utilizing the Lisbon Unit D-716 as an injection well for the disposal of acid gas and produced water from the other wells in the unit. The water will be re-injected into the Leadville formation.

12/11/2014

Trust Lands Administration, State of Utah
675 East 500 South, Suite 500
Salt Lake City, UT 84102

Dear Sir/Madam:

On behalf of CCI Paradox Upstream LLC (CCI), this letter serves as a notification by CCI of its application with the Utah Division of Oil, Gas, and Mining (DOGM) to establish the Lisbon Unit D-716 wellbore at the southeast quarter of the northeast quarter of Section 16, Township 30 South, Range 24 East in San Juan County as a designated injection well.

CCI is applying for approval from the COGM to inject acid gas and produced water into the Lisbon D-716 for the purposes of disposal. This well is part of the Lisbon Unit.

Anyone who would be directly and adversely affected by the authorization of the underground disposal into the Mississippian Leadville formation (8246' to 8617') may file a written request for a public hearing before the Division. Logs and additional information on the subject well are on file with the State of Utah, Division of Oil, Gas, and Mining, 1594 W. North Temple, Suite 1210, Salt Lake City, Utah 84114.

If you would like an electronic copy of the application, please contact me at denise@onyskiwengineering.com. If you have any questions, please do not hesitate to call me at (720) 260-2963 or Chrissy Schaffner of CCI at (303) 728-2217.

Sincerely yours,

Denise M. Onyskiw

Denise M. Onyskiw, P.E.
Onyskiw Engineering, LLC

ONYSKIW ENGINEERING, LLC
12081 West Alameda Parkway, #513, Lakewood, CO 80228 • (720) 260-2963 • denise@onyskiwengineering.com

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

UIC FORM 1

APPLICATION FOR INJECTION WELL

Name of Operator: CCI Paradox Upstream LLC	Utah Account Number: N 3945	Well Name and Number: Lisbon Unit D-716
Address of Operator: 600 17th St. Ste1900S CITY Denver STATE CO ZIP 80202	Phone Number: (303) 728-2226	API Number: 4303731034
Location of Well Footage : 2240 FNL 1325 FEL County : San Juan QQ, Section, Township, Range: SENE 16 30S 24E State : UTAH		Field or Unit Name: Lisbon Field Lease Designation and Number: Utah M.L. 13692

Is this application for expansion of an existing project?		Yes ☐	No ☑
Will the proposed well be used for:	Enhanced Recovery?	Yes ☐	No ☑
	Disposal?	Yes ☑	No ☐
	Storage?	Yes ☐	No ☑
Is this application for a new well to be drilled?		Yes ☐	No ☑
If this application is for an existing well, has a casing test been performed?		Yes ☑	No ☐

Date of test: 5/16/2013

Proposed injection interval: from 7,647 to 8,617

Proposed maximum injection: rate 2,000 bpd pressure 1,650 psig

Proposed injection zone contains oil ☑, gas ☑, and / or fresh water ☐ within ½ mile of the well.

List of attachments: maps: intended UIC well plus surrounding wells, 1/2-mile radius, surface and mineral ownership; current and proposed wellbore diagrams; water analyses, formation information

ATTACH ADDITIONAL INFORMATION AS REQUIRED BY CURRENT UTAH OIL AND GAS CONSERVATION GENERAL RULES

I hereby certify that this report is true and complete to the best of my knowledge.

Name (Please Print) Denise M. Onyskiw, P.E. Title Consulting Engineer

Signature Denise M. Onyskiw Date 4/27/2015

(5/2002)

9/12/2014

US Bureau of Land Management
Utah State Office
440 W 200 S, Ste. 500
Salt Lake City, UT 84101

Dear Sir/Madam:

On behalf of CCI Paradox Upstream LLC (CCI), this letter serves as a notification by CCI of its application with the Utah Division of Oil, Gas, and Mining (DOGM) to establish the Lisbon Unit D-716 wellbore at the southeast quarter of the northeast quarter of Section 16, Township 30 South, Range 24 East in San Juan County as a designated injection well.

CCI is applying for approval from the COGM to inject acid gas and produced water into the Lisbon D-716 for the purposes of disposal. This well is part of the Lisbon Unit.

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Sincerely yours,

Denise M. Onyskiw

Denise M. Onyskiw, P.E.
Onyskiw Engineering, LLC

ONYSKIW ENGINEERING, LLC
12081 West Alameda Parkway, #513, Lakewood, CO 80228 • (720) 260-2963 • denise@onyskiwengineering.com

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

UIC FORM 1

APPLICATION FOR INJECTION WELL

Name of Operator	Utah Account Number	Well Name and Number
CCI Paradox Upstream LLC	N 3945	Lisbon Unit D-716
Address of Operator	**Phone Number**	**API Number**
600 17th St. Ste1900S CITY Denver STATE CO ZIP 80202	(303) 728-2226	4303731034
Location of Well		**Field or Unit Name**
Footage : 2240 FNL 1325 FEL County : San Juan		Lisbon Field
QQ, Section, Township, Range: SENE 16 30S 24E State : UTAH		**Lease Designation and Number** Utah M.L. 13692

Is this application for expansion of an existing project?		Yes ☐	No ☑
Will the proposed well be used for:	Enhanced Recovery?	Yes ☐	No ☑
	Disposal?	Yes ☑	No ☐
	Storage?	Yes ☐	No ☑
Is this application for a new well to be drilled?		Yes ☐	No ☑
If this application is for an existing well, has a casing test been performed?		Yes ☑	No ☐

Date of test: 5/16/2013

Proposed injection interval: from 8,246 to 8,617

Proposed maximum injection: rate 2,000 bpd pressure 1,650 psig

Proposed injection zone contains oil ☑, gas ☑, and / or fresh water ☐ within ½ mile of the well.

List of attachments: maps: intended UIC well plus surrounding wells, 1/2-mile radius, surface and mineral ownership; current and proposed wellbore diagrams; water analyses, formation information

ATTACH ADDITIONAL INFORMATION AS REQUIRED BY CURRENT UTAH OIL AND GAS CONSERVATION GENERAL RULES

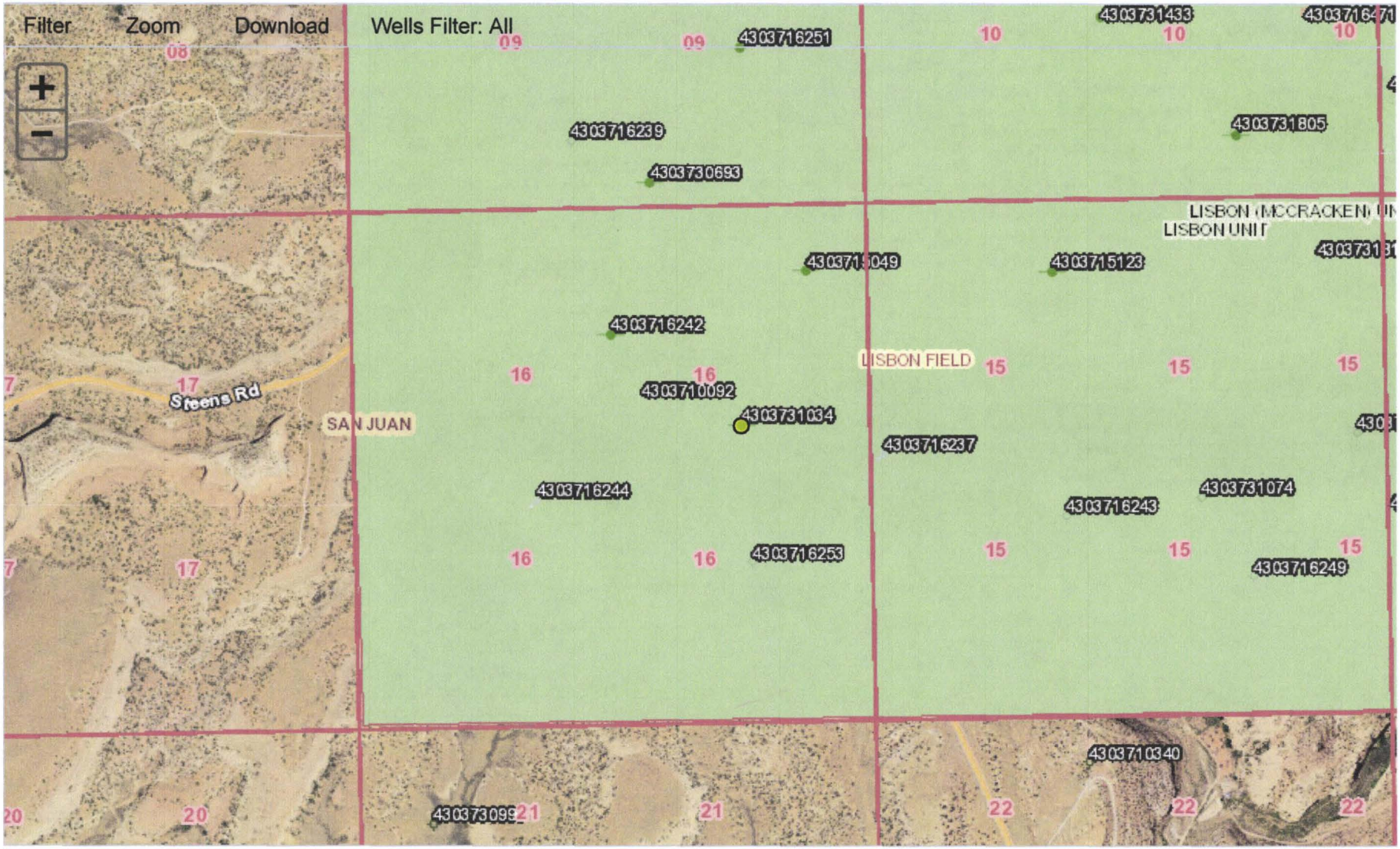
I hereby certify that this report is true and complete to the best of my knowledge.

Name (Please Print) Denise M. Onyskiw, P.E. Title Consulting Engineer

Signature Denise M Onyskiw Date 12/11/2014

(5/2002)

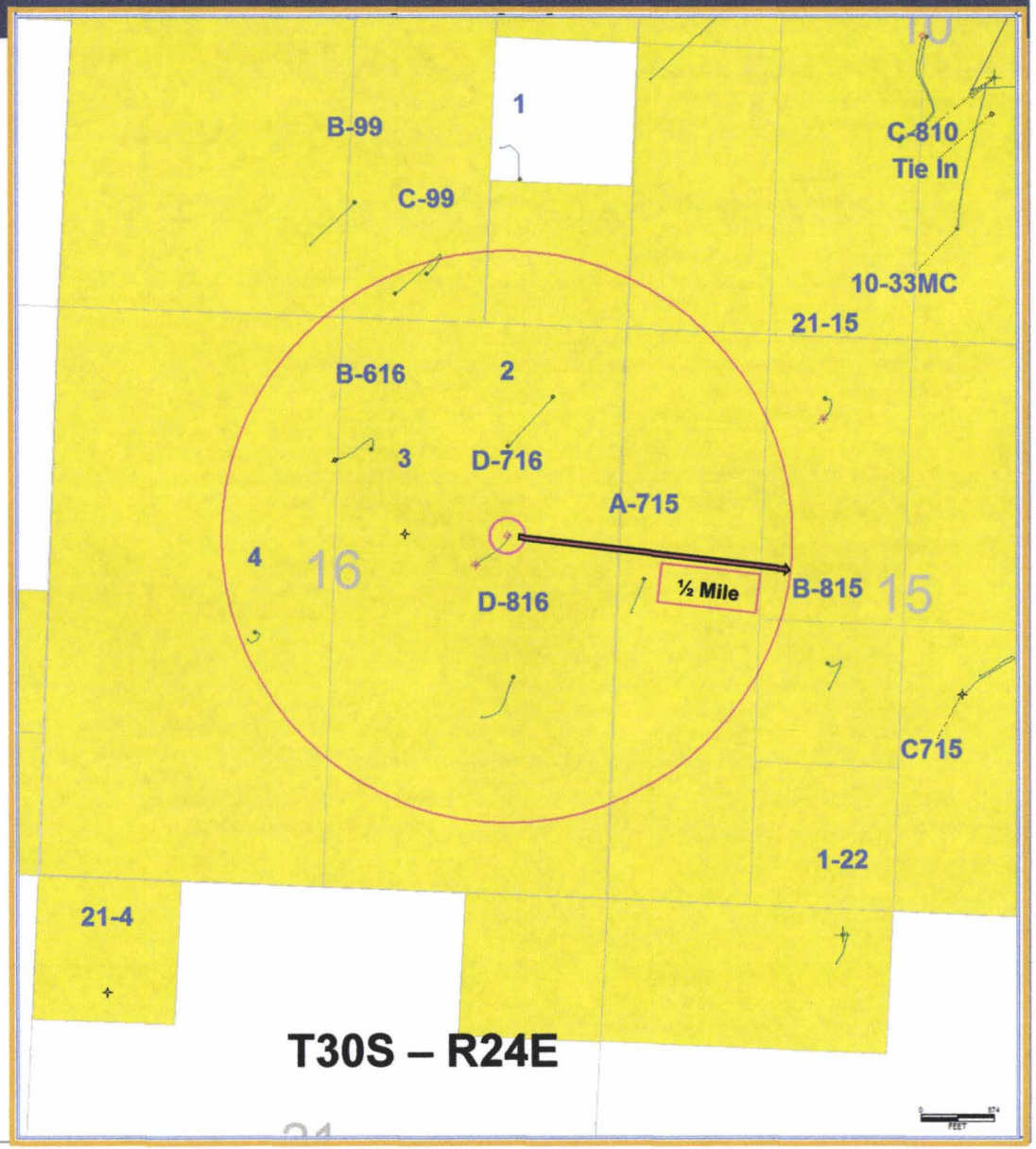
Utah Oil and Gas Map 2.0.0 (ChangeLog.html)



Confidential

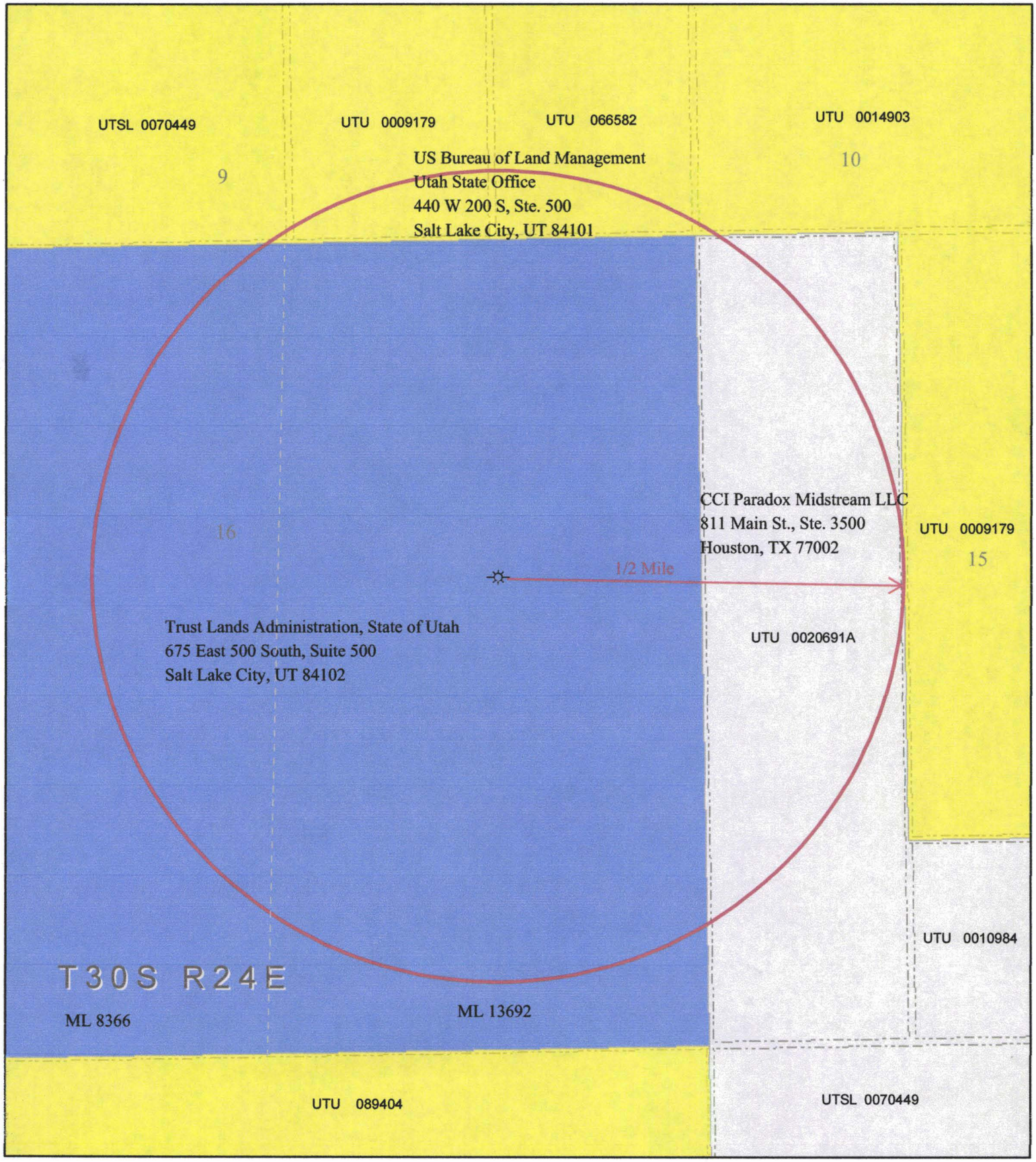
Castleton Commodities International

PROPOSED AGI WELL – D-716 LOCATION MAP w/ ½ Mi. Radius



CCI

Lisbon D-716 Land Ownership Map



Legend

Lisbon D-716
1/2 Mile Buffer
Lease Boundary

Ownership

Federal
Private
State

Index Map

0 275 550 1,100 Feet

Date: 11/4/2014

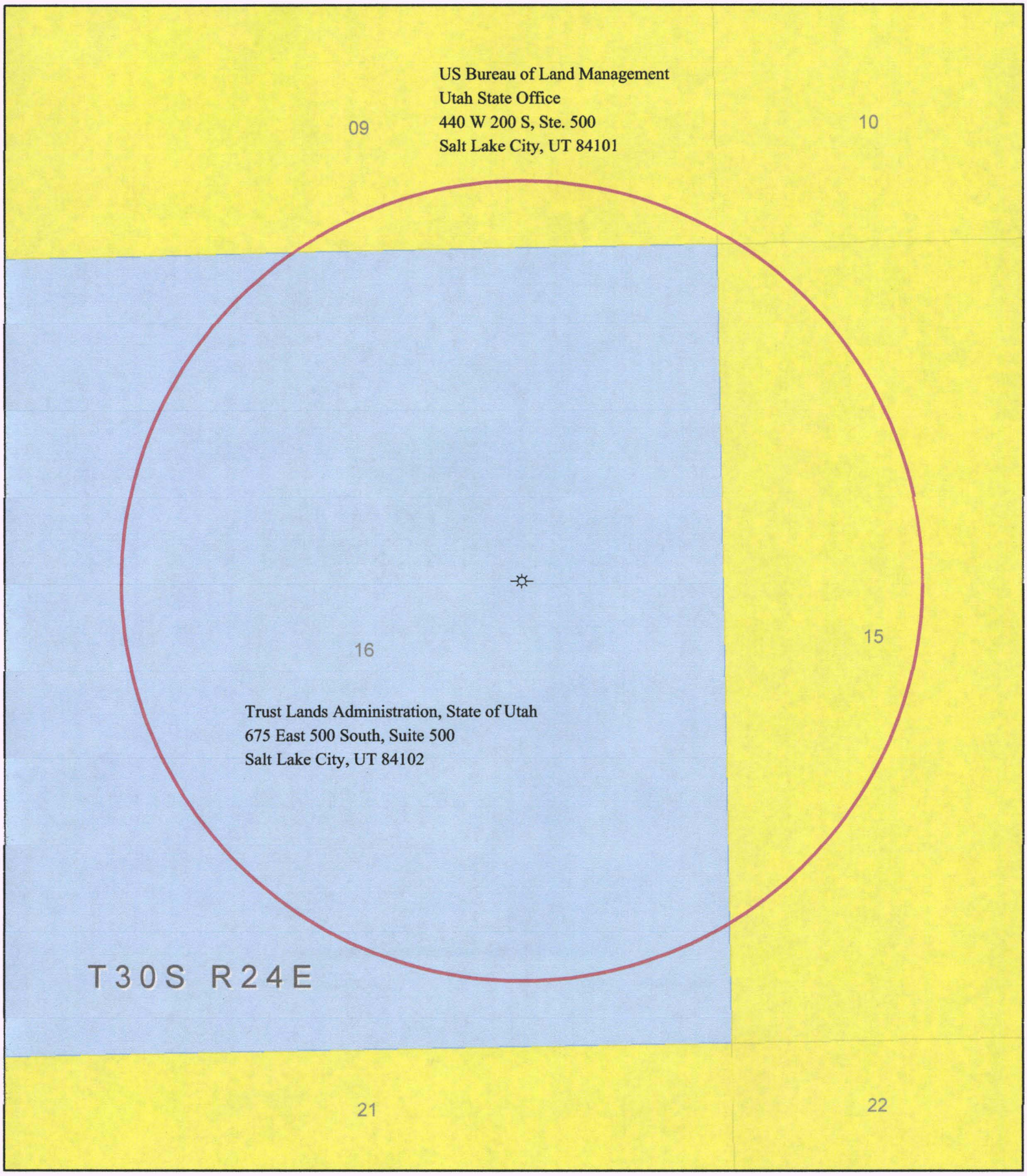
Sources: IHS, BLM-UT

Coordinate System: WGS 1984 UTM Zone 12N

N
W E
S

CCI

Lisbon D-716 Mineral Ownership Map



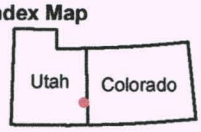
Legend

- Lisbon D-716
- 1/2 Mile Buffer

SUBSURFACE OWNERSHIP

- STATE
- FEDERAL

Index Map



0 275 550 1,100 Feet

Date: 12/2/2014

Sources: IHS, BLM-UT

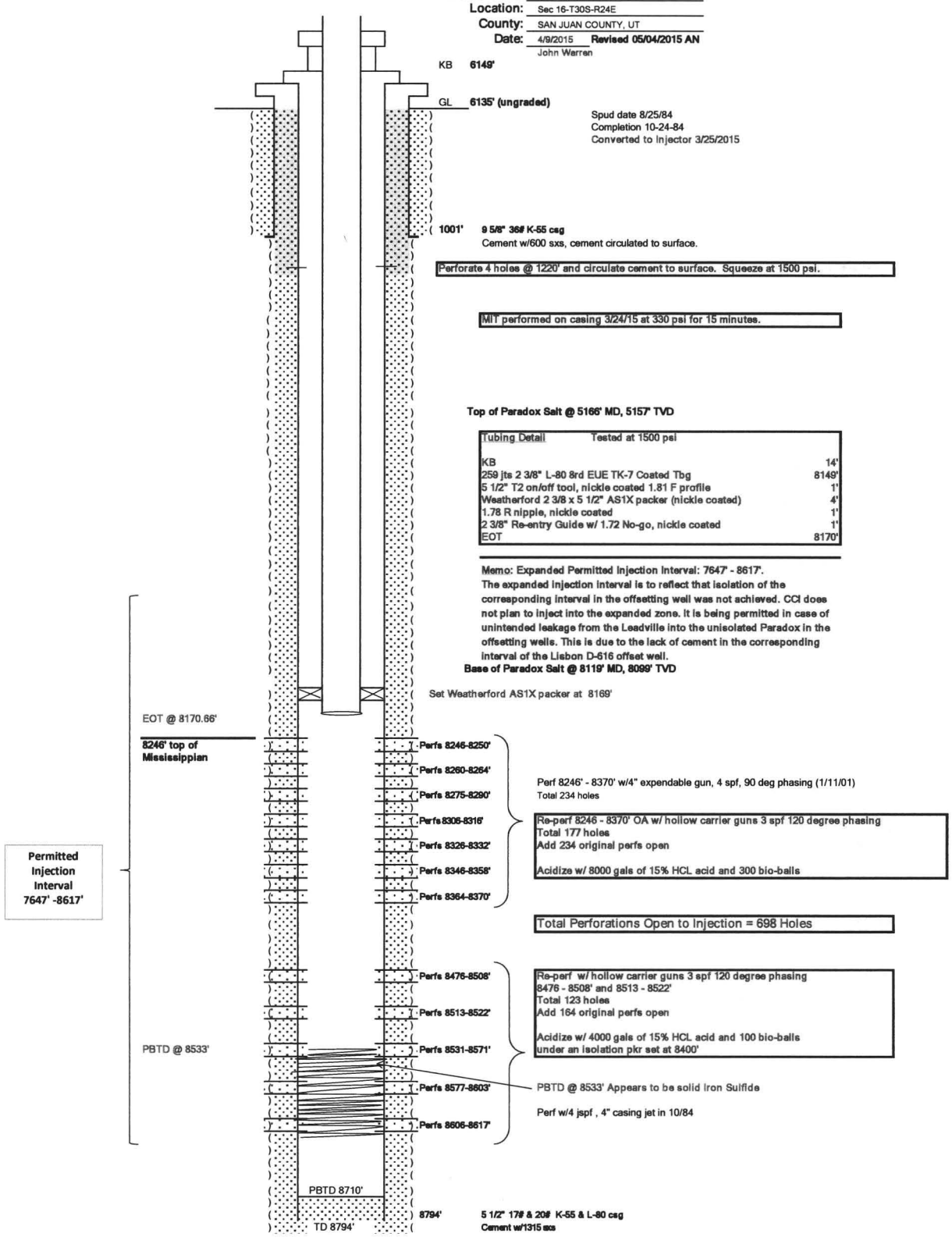
Coordinate System: WGS 1984 UTM Zone 12N

N W E S

CCI

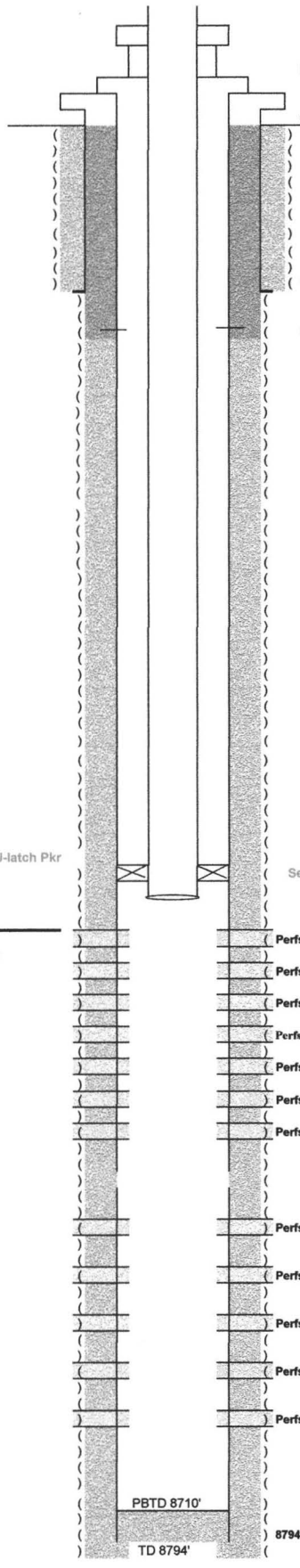
INJECTION WELLBORE DIAGRAM

Company: CCI Paradox Upstream, LLC
Lease Name: LISBON UNIT D-716
Location: Sec 16-T30S-R24E
County: SAN JUAN COUNTY, UT
Date: 4/9/2015 **Revised 05/04/2015 AN**
John Warren



PROPOSED INJECTION WELLBORE DIAGRAM

Company: CCI Paradox Upstream, LLC
Lease Name: LISBON UNIT D-716
Location: Sec 16-T30S-R24E
County: SAN JUAN COUNTY, UT
Date: 11/3/2014
John Warren



KB 6149'

GL 6135' (ungraded)

Spud date 8/25/84
Completion 10-24-84

Cement circulated to surface

1001' **9 5/8" 36# K-55 csg**
Cement w/600 sxs

Perforate 4 holes and circulate cement to surface. Squeeze at 1500 psi.

Tubing Detail	
KB	14'
261 jts 2 78" L-80 8rd EUE TK-7 Coated Tbg	8143'
F-nipple	1'
On-off tool	1'
Weatherford J-latch packer (nickle coated)	4'
10' x 2 7/8" nickle coated sub	10'
F-nipple nickle coated	1'
EOT	8174'

Weatherford J-latch Pkr set @ 8159'

Set Weatherford J-latch packer at +/- 8150'

EOT @ 8174'

8246' top of Mississippian

Perfs 8246-8250'
Perfs 8260-8264'
Perfs 8275-8290'
Perfs 8306-8316'
Perfs 8326-8332'
Perfs 8346-8358'
Perfs 8364-8370'

Perf 8246' - 8370' w/4" expendable gun, 4 spf, 90 deg phasing (1/11/01)

Re-perf 8246 - 8370' OA w/ hollow carrier guns 3 spf 120 degree phasing

Perfs 8476-8508'
Perfs 8513-8522'
Perfs 8531-8571'
Perfs 8577-8603'
Perfs 8606-8617'

Perf w/4 jspf , 4" casing jet in 10/84

Re-perf 8476 - 88617' OA w/ hollow carrier guns 3 spf 120 degree phasing

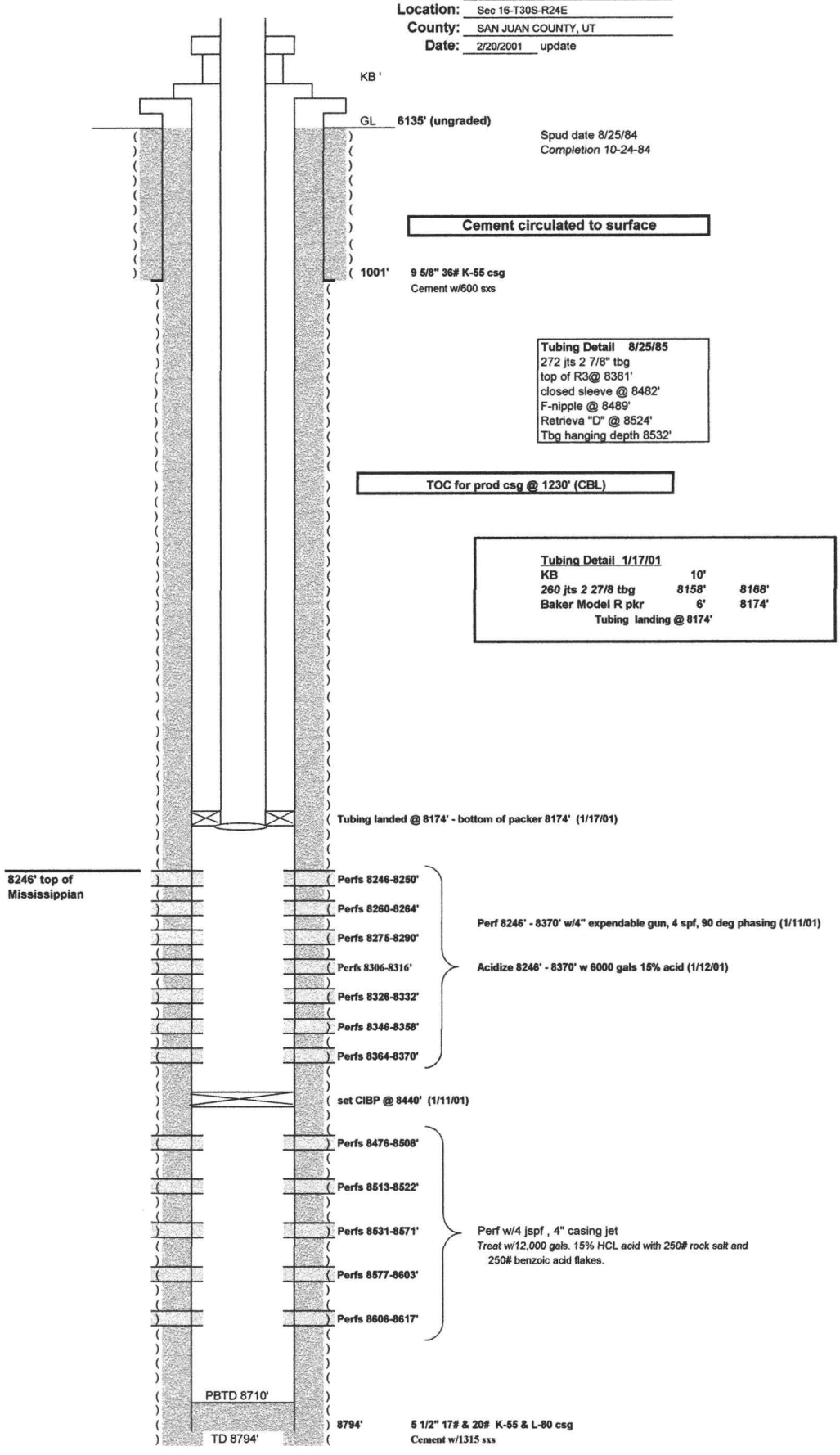
PBTD 8710'

8794' **5 1/2" 17# & 20# K-55 & L-80 csg**
Cement w/1315 sxs

TD 8794'

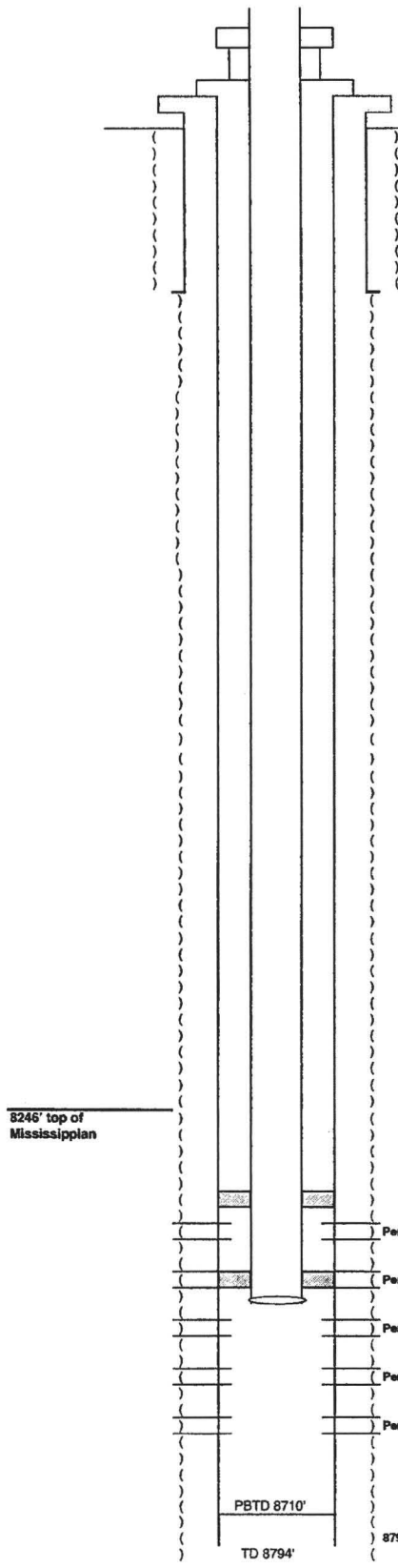
WELLBORE DIAGRAM

Company: CCI Paradox Upstream, LLC
Lease Name: LISBON UNIT D-716
Location: Sec 16-T30S-R24E
County: SAN JUAN COUNTY, UT
Date: 2/20/2001 update



WELLBORE DIAGRAM

Company: TOM BROWN INC.
Lease Name: LISBON UNIT D-716
Location: Sec 16-T30S-R24E
County: SAN JUAN COUNTY, UT
Date: 1/4/01



Spud date 8/25/84
Completion 10-24-84

Tubing Detail 8/25/85
272 jts 2 7/8" tbg
top of R3@ 8381'
closed sleeve @ 8482'
F-nipple @ 8489'
Retrieva "D" @ 8524'
Tbg hanging depth 8532'

Perf w/4 jspf , 4" casing jet
Treat w/12,000 gals. 15% HCL acid with 250# rock salt and 250# benzoic acid flakes.

RECEIVED

FEB 20 2001

DIVISION OF
OIL, GAS AND MINING

AFFIDAVIT OF MAILING

I, Denise M. Onyskiw, P.E., Onyskiw Engineering, LLC, being first duly sworn, dispose and state as follows:

On December 11, 2014, I caused to be mailed by certified mail, postage prepaid, return receipt requested, a letter of notification to modify the Lisbon D-716 well to dispose of acid gas and produced water. This letter was sent to all operators, mineral owners, and surface owners within a one half-mile radius of the subject well. This letter includes instructions to the owners to obtain an electronic copy of the application.

Dated this 11th day of December, 2014

Denise M. Onyskiw

Denise M. Onyskiw, P.E.

Onyskiw Engineering, LLC

The forgoing affidavit was subscribed and sworn to me by Denise M. Onyskiw, P.E.

This 11th day of December, 2014

Christine L. Webb, Notary Public

CHRISTINE L WEBB
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 19974016220
MY COMMISSION EXPIRES SEPTEMBER 8, 2017

My Commission expires: 8th day of September 2017

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Trust Lands Administration
State of Utah
675 East 500 South, Suite 500
Salt Lake City, UT 84102

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Certified Mail® ☐ Priority Mail Express™
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ Collect on Delivery

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number *(Transfer from service label)* 7014 0510 0000 9466 4465

PS Form 3811, July 2013 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

US Bureau of Land Management
Utah State Office
440 W 200 S, Ste. 500
Salt Lake City, UT 84101

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Certified Mail® ☐ Priority Mail Express™
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ Collect on Delivery

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number *(Transfer from service label)* 7014 0510 0000 9466 4458

PS Form 3811, July 2013 Domestic Return Receipt

DownHole SAT™ Water Analysis Report

DANLIN CHEMICAL

SYSTEM IDENTIFICATION

CCI
Field: Lisbon
Injection Well
San Juan, UT
Sample Point: Pipeline
Analyst: Bill Carrell

TDS: 49875

Sample Date: 02-11-2014 at 1347
Report Date: 10-09-2014

WATER CHEMISTRY

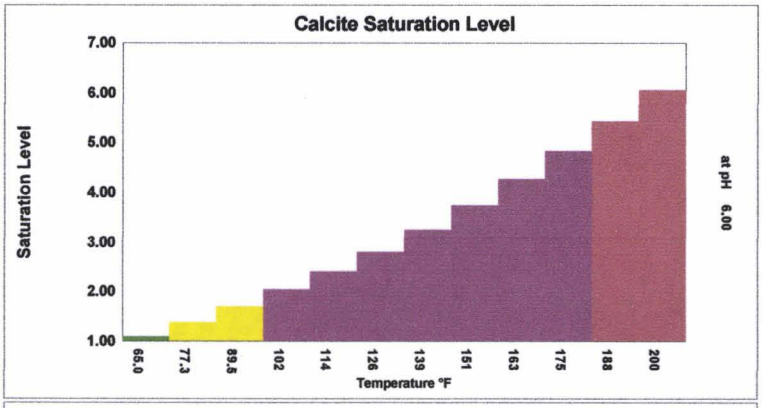
CATIONS		ANIONS	
Calcium(as Ca)	4008	Chloride(as Cl)	31000
Magnesium(as Mg)	1945	Sulfate(as SO_4)	80.00
Barium(as Ba)	65.40	Dissolved CO_2(as CO_2)	300.00
Sodium(as Na)	12160	Bicarbonate(as HCO_3)	854.00
Iron(as Fe)	3.20	Carbonate(as CO_3)	0.00
		H_2S (as H_2S)	63.50

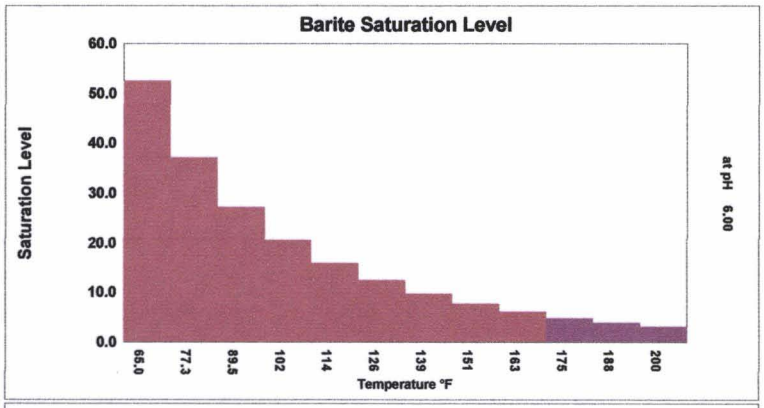
PARAMETERS	
Temperature(°F)	65.00
Sample pH	6.00
Conductivity	64817
Density(lbs/gal)	8.66

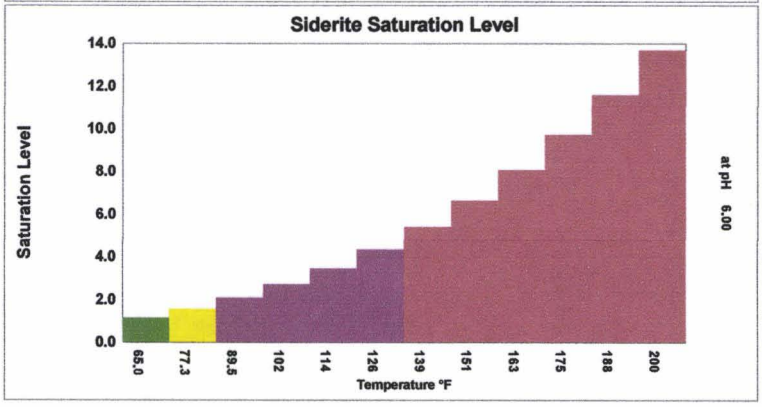
SCALE AND CORROSION POTENTIAL

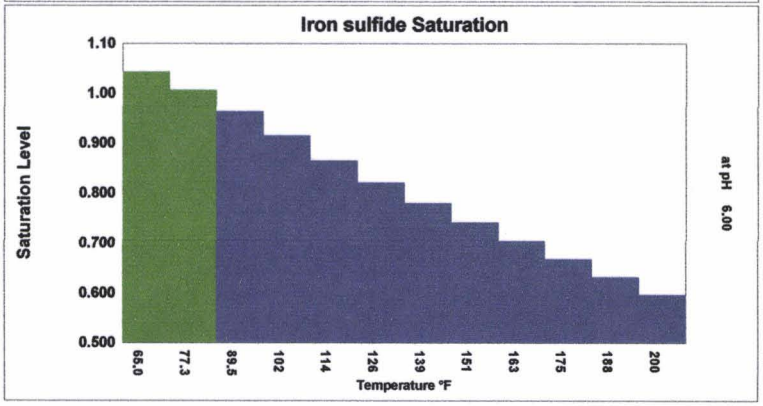
Temp.	Press.	Calcite $CaCO_3$		Anhydrite $CaSO_4$		Gypsum $CaSO_4*2H_2O$		Barite $BaSO_4$		Celestite $SrSO_4$		Siderite $FeCO_3$		Mackawenite FeS		CO_2	pCO_2
(°F)	(psig)	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	(mpy)	(psia)
65.00	0.00	1.09	0.00328	0.0292	-496.15	0.0482	-346.54	52.46	26.68	0.00	-178.77	1.12	0.00493	1.04	0.0130	0.687	3.67
77.27	0.00	1.38	0.0126	0.0282	-489.95	0.0442	-360.13	37.10	24.96	0.00	-179.85	1.55	0.0186	1.01	0.00199	0.466	3.67
89.55	0.00	1.69	0.0213	0.0281	-469.53	0.0409	-369.98	27.16	23.31	0.00	-178.76	2.07	0.0307	0.963	-0.0118	0.238	3.67
101.82	0.00	2.03	0.0293	0.0288	-437.79	0.0384	-376.28	20.54	21.73	0.00	-176.45	2.70	0.0416	0.914	-0.0284	0.826	3.67
114.09	0.00	2.40	0.0369	0.0304	-398.07	0.0398	-347.30	15.87	20.21	0.00	-173.89	3.43	0.0515	0.864	-0.0462	0.799	3.67
126.36	0.00	2.80	0.0447	0.0328	-353.65	0.0415	-318.34	12.34	18.72	0.00	-171.80	4.32	0.0613	0.820	-0.0632	0.718	3.67
138.64	0.00	3.25	0.0526	0.0363	-307.46	0.0431	-293.84	9.64	17.24	0.00	-170.16	5.37	0.0710	0.779	-0.0798	0.619	3.67
150.91	0.00	3.74	0.0607	0.0409	-261.93	0.0445	-273.07	7.58	15.78	0.00	-168.93	6.61	0.0809	0.740	-0.0962	0.577	3.67
163.18	0.00	4.26	0.0691	0.0471	-218.90	0.0457	-255.45	6.00	14.32	0.00	-168.09	8.05	0.0910	0.703	-0.113	0.545	3.67
175.45	0.00	4.82	0.0778	0.0552	-179.64	0.0467	-240.53	4.77	12.85	0.00	-167.64	9.70	0.101	0.667	-0.130	0.513	3.67
187.73	0.00	5.42	0.0868	0.0657	-144.89	0.0476	-227.93	3.82	11.36	0.00	-167.57	11.57	0.112	0.631	-0.148	0.252	3.67
200.00	0.00	6.05	0.0963	0.0794	-114.90	0.0483	-217.35	3.07	9.83	0.00	-167.87	13.66	0.123	0.595	-0.167	0.161	3.67

Saturation Levels (xSAT) are the ratio of ion activity to solubility, e.g. $\{Ca\}\{CO_3\}/K_{sp}$. pCO_2 (psia) is the partial pressure of CO_2 in the gas phase.
Lbs/1000 Barrels scale is the quantity of precipitation (or dissolution) required to instantaneously bring the water to equilibrium.









DownHole SAT(tm)
MIXED WATER DEPOSITION POTENTIAL INDICATORS

1) TB B-624 (50%) 2) TB B-912 (50%)

Report Date: 07-08-2002

SATURATION LEVEL		MOMENTARY EXCESS (Lbs/1000 Barrels)	
Calcite (CaCO3)	4.87	Calcite (CaCO3)	0.0614
Aragonite (CaCO3)	3.94	Aragonite (CaCO3)	0.0576
Witherite (BaCO3)	0.00112	Witherite (BaCO3)	-21.83
Strontianite (SrCO3)	0.0778	Strontianite (SrCO3)	-1.33
Magnesite (MgCO3)	1.51	Magnesite (MgCO3)	0.0219
Anhydrite (CaSO4)	1.73	Anhydrite (CaSO4)	94.27
Gypsum (CaSO4*2H2O)	0.837	Gypsum (CaSO4*2H2O)	-15.89
Barite (BaSO4)	4.38	Barite (BaSO4)	3.85
Celestite (SrSO4)	0.405	Celestite (SrSO4)	-111.49
Silica (SiO2)	0.00	Silica (SiO2)	-113.30
Brucite (Mg(OH)2)	< 0.001	Brucite (Mg(OH)2)	-0.549
Magnesium silicate	0.00	Magnesium silicate	-167.07
Iron hydroxide (Fe(OH)3)	< 0.001	Iron hydroxide (Fe(OH)3)	< 0.001
Strengite (FePO4*2H2O)	0.00	Strengite (FePO4*2H2O)	>-0.001
Siderite (FeCO3)	8.20	Siderite (FeCO3)	0.0781
Halite (NaCl)	0.0192	Halite (NaCl)	-177352
Thenardite (Na2SO4)	< 0.001	Thenardite (Na2SO4)	-77497
Iron sulfide (FeS)	12.10	Iron sulfide (FeS)	2.11

SIMPLE INDICES	
Langelier	1.48
Ryznar	3.18
Puckorius	-0.0670
Larson-Skold Index	83.86
Stiff Davis Index	1.89
Oddo-Tomson	0.875

OPERATING CONDITIONS	
Temperature (°F)	180.00
Time(secs)	1.00

UNICHEM - Midland Analytical Laboratory
P.O. Box 61427, Midland, Texas 79711

DownHole SAT(tm)
MIXED WATER DEPOSITION POTENTIAL INDICATORS

1) TB B-624 (75%) 2) TB B-912 (25%)

Report Date: 07-08-2002

SATURATION LEVEL		MOMENTARY EXCESS (Lbs/1000 Barrels)	
Calcite (CaCO3)	6.36	Calcite (CaCO3)	0.0808
Aragonite (CaCO3)	5.14	Aragonite (CaCO3)	0.0772
Witherite (BaCO3)	0.00211	Witherite (BaCO3)	-20.49
Strontianite (SrCO3)	0.119	Strontianite (SrCO3)	-1.04
Magnesite (MgCO3)	1.69	Magnesite (MgCO3)	0.0328
Anhydrite (CaSO4)	1.66	Anhydrite (CaSO4)	80.03
Gypsum (CaSO4*2H2O)	0.813	Gypsum (CaSO4*2H2O)	-24.30
Barite (BaSO4)	6.07	Barite (BaSO4)	6.07
Celestite (SrSO4)	0.456	Celestite (SrSO4)	-99.57
Silica (SiO2)	0.00	Silica (SiO2)	-115.78
Brucite (Mg(OH)2)	< 0.001	Brucite (Mg(OH)2)	-0.582
Magnesium silicate	0.00	Magnesium silicate	-168.85
Iron hydroxide (Fe(OH)3)	< 0.001	Iron hydroxide (Fe(OH)3)	< 0.001
Strengite (FePO4*2H2O)	0.00	Strengite (FePO4*2H2O)	>-0.001
Siderite (FeCO3)	11.63	Siderite (FeCO3)	0.101
Halite (NaCl)	0.0149	Halite (NaCl)	-183416
Thenardite (Na2SO4)	< 0.001	Thenardite (Na2SO4)	-76729
Iron sulfide (FeS)	13.48	Iron sulfide (FeS)	2.34

SIMPLE INDICES	
Langelier	1.59
Ryznar	3.01
Puckorius	-0.257
Larson-Skold Index	68.08
Stiff Davis Index	1.99
Oddo-Tomson	1.01

OPERATING CONDITIONS	
Temperature (°F)	180.00
Time(secs)	1.00

UNICHEM - Midland Analytical Laboratory
P.O. Box 61427, Midland, Texas 79711

DownHole SAT(tm)
MIXED WATER DEPOSITION POTENTIAL INDICATORS

1) TB B-624 (25%) 2) TB B-912 (75%)

Report Date: 07-08-2002

SATURATION LEVEL		MOMENTARY EXCESS (Lbs/1000 Barrels)	
Calcite (CaCO3)	3.58	Calcite (CaCO3)	0.0430
Aragonite (CaCO3)	2.90	Aragonite (CaCO3)	0.0390
Witherite (BaCO3)	< 0.001	Witherite (BaCO3)	-23.15
Strontianite (SrCO3)	0.0472	Strontianite (SrCO3)	-1.74
Magnesite (MgCO3)	1.30	Magnesite (MgCO3)	0.0114
Anhydrite (CaSO4)	1.77	Anhydrite (CaSO4)	106.48
Gypsum (CaSO4*2H2O)	0.847	Gypsum (CaSO4*2H2O)	-10.19
Barite (BaSO4)	2.48	Barite (BaSO4)	1.61
Celestite (SrSO4)	0.343	Celestite (SrSO4)	-125.36
Silica (SiO2)	0.00	Silica (SiO2)	-110.84
Brucite (Mg(OH)2)	< 0.001	Brucite (Mg(OH)2)	-0.518
Magnesium silicate	0.00	Magnesium silicate	-165.09
Iron hydroxide (Fe(OH)3)	< 0.001	Iron hydroxide (Fe(OH)3)	< 0.001
Strengite (FePO4*2H2O)	0.00	Strengite (FePO4*2H2O)	>-0.001
Siderite (FeCO3)	5.51	Siderite (FeCO3)	0.0562
Halite (NaCl)	0.0241	Halite (NaCl)	-171107
Thenardite (Na2SO4)	< 0.001	Thenardite (Na2SO4)	-78151
Iron sulfide (FeS)	10.07	Iron sulfide (FeS)	1.88

SIMPLE INDICES	
Langelier	1.35
Ryznar	3.38
Puckorius	0.145
Larson-Skold Index	103.85
Stiff Davis Index	1.79
Oddo-Tomson	0.726

OPERATING CONDITIONS	
Temperature (°F)	180.00
Time(secs)	1.00

UNICHEM - Midland Analytical Laboratory
P.O. Box 61427, Midland, Texas 79711

DownHole SAT(tm)
MIXED WATER DEPOSITION POTENTIAL INDICATORS

1) TB B-624 (25%) 2) TB B-912 (75%)

Report Date: 07-08-2002

SATURATION LEVEL		MOMENTARY EXCESS (Lbs/1000 Barrels)	
Calcite (CaCO3)	2.74	Calcite (CaCO3)	0.0424
Aragonite (CaCO3)	2.34	Aragonite (CaCO3)	0.0382
Witherite (BaCO3)	< 0.001	Witherite (BaCO3)	-22.23
Strontianite (SrCO3)	0.128	Strontianite (SrCO3)	-0.664
Magnesite (MgCO3)	0.562	Magnesite (MgCO3)	-0.0438
Anhydrite (CaSO4)	1.26	Anhydrite (CaSO4)	58.69
Gypsum (CaSO4*2H2O)	1.54	Gypsum (CaSO4*2H2O)	138.60
Barite (BaSO4)	17.15	Barite (BaSO4)	2.55
Celestite (SrSO4)	0.448	Celestite (SrSO4)	-90.86
Silica (SiO2)	0.00	Silica (SiO2)	-39.59
Brucite (Mg(OH)2)	< 0.001	Brucite (Mg(OH)2)	-0.384
Magnesium silicate	0.00	Magnesium silicate	-104.56
Iron hydroxide (Fe(OH)3)	< 0.001	Iron hydroxide (Fe(OH)3)	< 0.001
Strengite (FePO4*2H2O)	0.00	Strengite (FePO4*2H2O)	>-0.001
Siderite (FeCO3)	2.45	Siderite (FeCO3)	0.0451
Halite (NaCl)	0.0332	Halite (NaCl)	-140979
Thenardite (Na2SO4)	< 0.001	Thenardite (Na2SO4)	-74160
Iron sulfide (FeS)	7.68	Iron sulfide (FeS)	1.87

SIMPLE INDICES	
Langelier	0.856
Ryznar	4.37
Puckorius	1.14
Larson-Skold Index	104.33
Stiff Davis Index	0.236
Oddo-Tomson	-0.188

OPERATING CONDITIONS	
Temperature (°F)	90.00
Time(secs)	1.00

UNICHEM - Midland Analytical Laboratory
P.O. Box 61427, Midland, Texas 79711

DownHole SAT(tm)
MIXED WATER DEPOSITION POTENTIAL INDICATORS

1) TB B-624 (75%) 2) TB B-912 (25%)

Report Date: 07-08-2002

SATURATION LEVEL		MOMENTARY EXCESS (Lbs/1000 Barrels)	
Calcite (CaCO3)	4.86	Calcite (CaCO3)	0.0849
Aragonite (CaCO3)	4.14	Aragonite (CaCO3)	0.0811
Witherite (BaCO3)	0.00252	Witherite (BaCO3)	-19.70
Strontianite (SrCO3)	0.319	Strontianite (SrCO3)	-0.335
Magnesite (MgCO3)	0.732	Magnesite (MgCO3)	-0.0329
Anhydrite (CaSO4)	1.15	Anhydrite (CaSO4)	30.42
Gypsum (CaSO4*2H2O)	1.44	Gypsum (CaSO4*2H2O)	97.69
Barite (BaSO4)	40.70	Barite (BaSO4)	7.12
Celestite (SrSO4)	0.577	Celestite (SrSO4)	-69.07
Silica (SiO2)	0.00	Silica (SiO2)	-41.35
Brucite (Mg(OH)2)	< 0.001	Brucite (Mg(OH)2)	-0.431
Magnesium silicate	0.00	Magnesium silicate	-107.11
Iron hydroxide (Fe(OH)3)	< 0.001	Iron hydroxide (Fe(OH)3)	< 0.001
Strengite (FePO4*2H2O)	0.00	Strengite (FePO4*2H2O)	>-0.001
Siderite (FeCO3)	5.14	Siderite (FeCO3)	0.0988
Halite (NaCl)	0.0204	Halite (NaCl)	-152565
Thenardite (Na2SO4)	< 0.001	Thenardite (Na2SO4)	-72991
Iron sulfide (FeS)	10.76	Iron sulfide (FeS)	2.33

SIMPLE INDICES	
Langelier	1.09
Ryznar	4.01
Puckorius	0.743
Larson-Skold Index	68.40
Stiff Davis Index	0.450
Oddo-Tomson	0.0959

OPERATING CONDITIONS	
Temperature (°F)	90.00
Time(secs)	1.00

UNICHEM - Midland Analytical Laboratory
P.O. Box 61427, Midland, Texas 79711

DownHole SAT(tm)
MIXED WATER DEPOSITION POTENTIAL INDICATORS

1) TB B-624 (50%) 2) TB B-912 (50%)

Report Date: 07-08-2002

SATURATION LEVEL		MOMENTARY EXCESS (Lbs/1000 Barrels)	
Calcite (CaCO3)	3.73	Calcite (CaCO3)	0.0630
Aragonite (CaCO3)	3.18	Aragonite (CaCO3)	0.0590
Witherite (BaCO3)	0.00135	Witherite (BaCO3)	-20.97
Strontianite (SrCO3)	0.210	Strontianite (SrCO3)	-0.477
Magnesite (MgCO3)	0.654	Magnesite (MgCO3)	-0.0384
Anhydrite (CaSO4)	1.22	Anhydrite (CaSO4)	45.56
Gypsum (CaSO4*2H2O)	1.50	Gypsum (CaSO4*2H2O)	119.13
Barite (BaSO4)	29.88	Berite (BaSO4)	4.83
Celestite (SrSO4)	0.520	Celestite (SrSO4)	-78.84
Silica (SiO2)	0.00	Silica (SiO2)	-40.47
Brucite (Mg(OH)2)	< 0.001	Brucite (Mg(OH)2)	-0.407
Magnesium silicate	0.00	Magnesium silicate	-105.89
Iron hydroxide (Fe(OH)3)	< 0.001	Iron hydroxide (Fe(OH)3)	< 0.001
Strengite (FePO4*2H2O)	0.00	Strengite (FePO4*2H2O)	>-0.001
Siderite (FeCO3)	3.63	Siderite (FeCO3)	0.0715
Halite (NaCl)	0.0263	Halite (NaCl)	-146838
Thenardite (Na2SO4)	< 0.001	Thenardite (Na2SO4)	-73629
Iron sulfide (FeS)	9.47	Iron sulfide (FeS)	2.10

SIMPLE INDICES	
Langelier	0.981
Ryznar	4.18
Puckorius	0.931
Larson-Skold Index	84.26
Stiff Davis Index	0.346
Oddo-Tomson	-0.0394

OPERATING CONDITIONS	
Temperature (°F)	90.00
Time(secs)	1.00

UNICHEM - Midland Analytical Laboratory
P.O. Box 61427, Midland, Texas 79711

Tom Brown

Lab Test No: 2002125773

BJ Hutchison Chemical Services

DownHole SAT™ Scale Prediction @ 90 deg. F

Mineral Scale	Saturation Index	Momentary Excess (lbs/1000 bbls)
Calcite (CaCO3)	2.06	.0518
Aragonite (CaCO3)	1.76	.0267
Witherite (BaCO3)	< 0.001	-24.81
Strontianite (SrCO3)	.0802	-1.03
Magnesite (MgCO3)	.487	-.0551
Anhydrite (CaSO4)	1.16	44.45
Gypsum (CaSO4*2H2O)	1.41	136.68
Barite (BaSO4)	2.62	.256
Celestite (SrSO4)	.345	-113.37
Silica (SiO2)	0	-42.21
Brucite (Mg(OH)2)	< 0.001	-.411
Magnesium silicate	0	-111.8
Iron hydroxide (Fe(OH)3)	< 0.001	< 0.001
Strengite (FePO4*2H2O)	0	>-0.001
Siderite (FeCO3)	1.75	.0302
Halite (NaCl)	.0349	-149771
Thenardite (Na2SO4)	< 0.001	-79346
Iron sulfide (FeS)	8.03	1.64

Interpretation of DHSat Results:

The Saturation Index is calculated for each mineral species independently and is a measure of the degree of supersaturation (driving force for precipitation) under the conditions modeled. This value ranges from 0 to infinity with 1.0 representing a condition of equilibrium where scale will neither dissolve nor precipitate. Values less than 1.0 are undersaturated and values greater than 1.0 are supersaturated. The scale is logarithmic, i.e. a Saturation Index of 3 is 10 times more saturated than a value of 2.

The Momentary Excess is a measure of how much scale would have to precipitate to bring the system back to a non-scaling condition. This value ranges from negative (dissolving) infinity to positive (precipitating) infinity. The Momentary Excess represents the amount of scale possible while the Saturation Level represents the probability that scale will form.

Tom Brown Lab Test No: 2002125772

BJ Chemical Services

DownHole SAT™ Scale Prediction @ 90 deg. F

Mineral Scale	Saturation Index	Momentary Excess (lbs/1000 bbls)
Calcite (CaCO3)	6.27	.122
Aragonite (CaCO3)	5.35	.118
Witherite (BaCO3)	.00434	-19.23
Strontianite (SrCO3)	.484	-.228
Magnesite (MgCO3)	.806	-.0294
Anhydrite (CaSO4)	1.01	.972
Gypsum (CaSO4*2H2O)	1.28	65.58
Barite (BaSO4)	47.25	9.38
Celestite (SrSO4)	.59	-68.76
Silica (SiO2)	0	-44.74
Brucite (Mg(OH)2)	< 0.001	-.494
Magnesium silicate	0	-114.13
Iron hydroxide (Fe(OH)3)	< 0.001	< 0.001
Strengite (FePO4*2H2O)	0	>-0.001
Siderite (FeCO3)	7.31	.144
Halite (NaCl)	.0139	-168331
Thenardite (Na2SO4)	< 0.001	-75391
Iron sulfide (FeS)	13.4	2.57

Interpretation of DHSat Results:

The Saturation Index is calculated for each mineral species independently and is a measure of the degree of supersaturation (driving force for precipitation) under the conditions modeled. This value ranges from 0 to infinity with 1.0 representing a condition of equilibrium where scale will neither dissolve nor precipitate. Values less than 1.0 are undersaturated and values greater than 1.0 are supersaturated. The scale is logarithmic, i.e. a Saturation Index of 3 is 10 times more saturated than a value of 2.

The Momentary excess is a measure of how much scale would have to precipitate to bring the system back to a non-scaling condition. This value ranges from negative (dissolving) infinity to positive (precipitating) infinity. The Momentary Excess represents the amount of scale possible while the Saturation Level represents the probability that scale will form.

Analytical Laboratory Report for:
Tom Brown

BJ Unichem Chemical Services
UNICHEM Representative: Clyde Willis

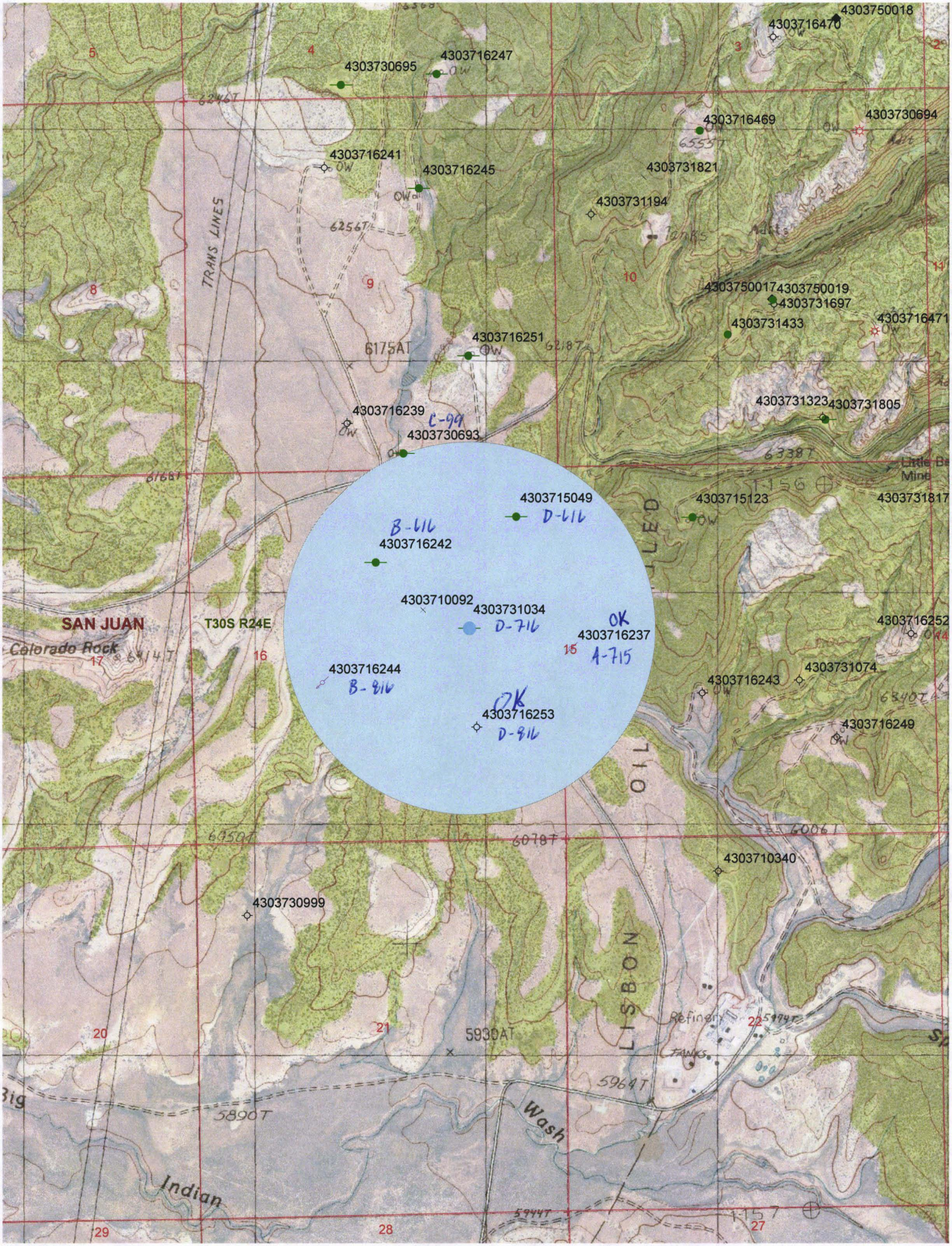
Production Water Analysis

Listed below please find water analysis report from: Lisbon Unit, B-912

water produced from Mississippian Reservoir

Lab Test No:	2002125773	Sample Date:	07/03/2002
Specific Gravity:	1.072		
TDS:	110032		
pH:	5.13		

Cations:	mg/L	as:
Calcium	4165	(Ca^{++})
Magnesium	871	(Mg^{++})
Sodium	37473	(Na^{+})
Iron	3.10	(Fe^{++})
Barium	0.70	(Ba^{++})
Strontium	117.00	(Sr^{++})
Manganese	0.39	(Mn^{++})
Anions:	**mg/L**	**as:**
Bicarbonate	952	(HCO_3^{-})
Sulfate	1650	($SO_4^{=}$)
Chloride	64800	(Cl^{-})
Gases:		
Carbon Dioxide	186	(CO_2)
Hydrogen Sulfide	202	(H_2S)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OK
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SAN JUAN
T30S R24E
Colorado Rock
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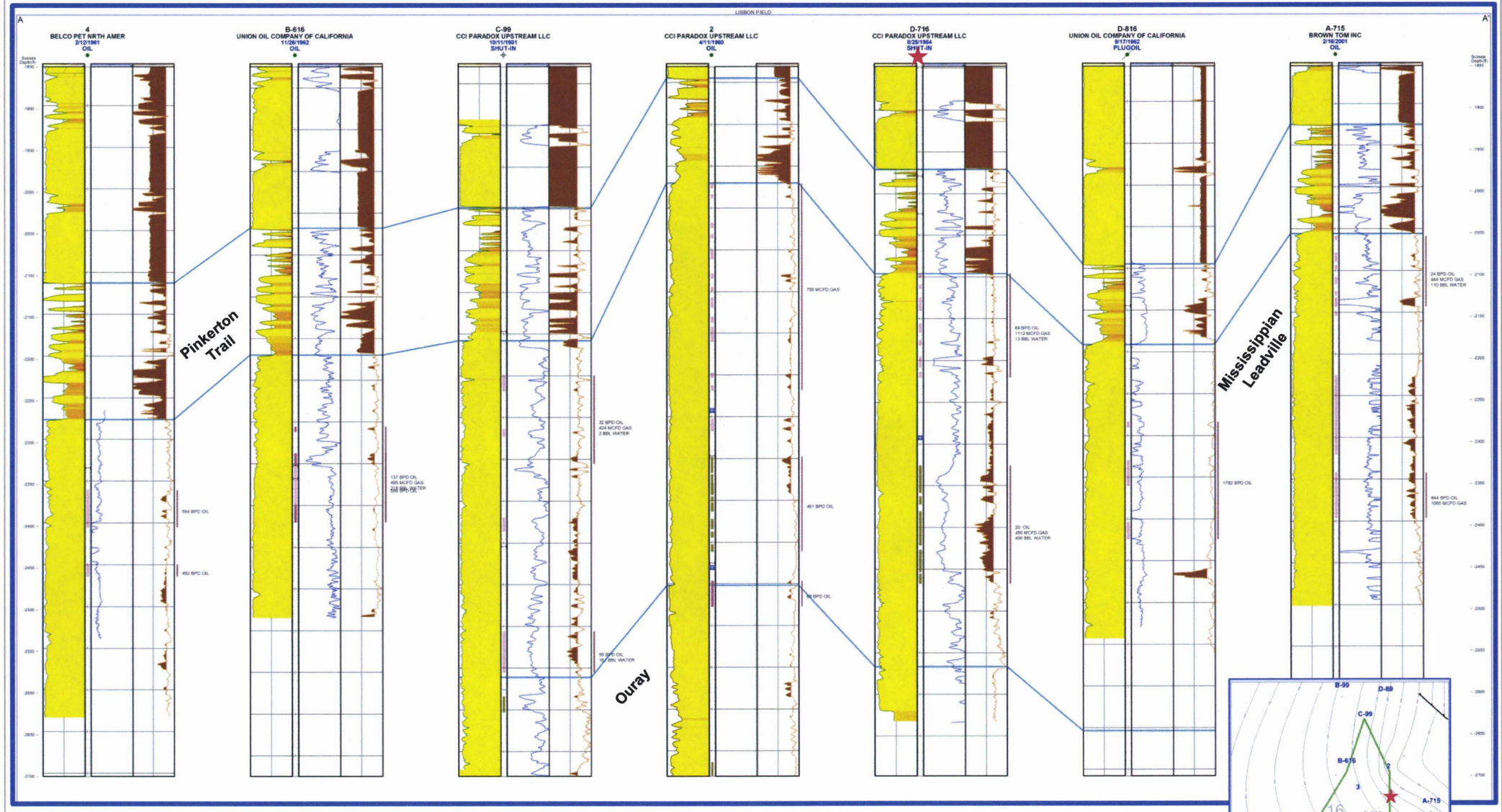
Confidential

Castleton Commodities International

CROSS SECTION A - A'
PROPOSED AGI WELL – Lisbon D-716



★ Lisbon D-716

CCI

Proposed AGI Well D-716 Geological and Hydrogeological Data

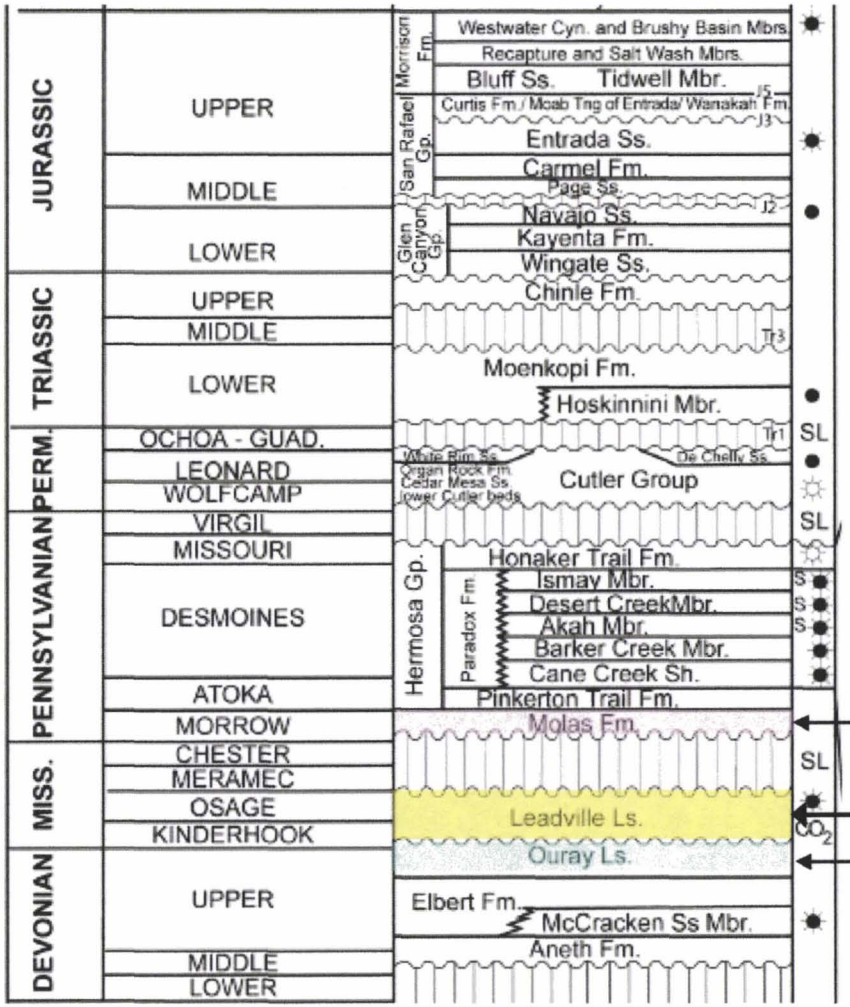


Figure 3. Stratigraphic column of the Colorado Plateau. Modified from Stevenson and Wray (2009). S = source interval; SL=seal.

Confining Bed Above
Molas Formation
Lithology: Sandstone and Shale
Thickness: 75 ft.
Depth: 8151 ft. TVD
Lateral Extent: Paradox Basin
Fresh Water Acquifers: No known

Zone of Injection:
Leadville Limestone
Lithology: Limestone and Dolomite
Thickness: 470 ft.
Depth: 8226 ft. TVD
Lateral Extent: Paradox Basin
Porosity: 5.5% (avg.)
Permeability: 22mD (avg.)
Fresh Water Acquifers: No known
Water Quality: 56, 206 ppm TDS
(From Lisbon D-816)
Sodium Content: 26,283 mg/l
(From Lisbon B-814)

Confining Bed Below
Ouray Limestone
Lithology: Limestone
Thickness: 70 ft.
Depth: 8696 ft. TVD
Lateral Extent: Paradox Basin
Fresh Water Acquifers: No known

CCI

Sources

Eby, D.E., Chidsey, T.C. Jr., Morgan, C.D. (2005, June). Dolomitization of the Mississippian Leadville Reservoir at Lisbon Field, Paradox Basin, Utah. AAPG, Poster Session.

Geolex - Molas publications. (n.d.). Retrieved November 13, 2014, from http://ngmdb.usgs.gov/Geolex/UnitRefs/MolasRefs_9347.html

Whidden, K., Lillis, P., Anna, L., Pearson, K., & Dubiel, R. (2014, April). Geology and Total Petroleum Systems of the Paradox Basin, Utah, Colorado, New Mexico, and Arizona. *The Mountain Geologist*, 123-123.

Publish Dates
SL Trib 1/14/2015
Moab Times 1/15/2015
San Juan 1/21/2015

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC – 429.1

IN THE MATTER OF THE APPLICATION OF CCI PARADOX UPSTREAM, LLC FOR ADMINISTRATIVE APPROVAL OF THE LISBON UNIT D-716 DISPOSAL WELL LOCATED IN SECTION 16, TOWNSHIP 30S, RANGE 24E, SAN JUAN COUNTY, UTAH, AS A CLASS II INJECTION WELL.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of CCI Paradox Upstream, LLC for administrative approval of the Lisbon Unit D-716 well, located in SE/4 NE/4, Section 16, Township 30S, Range 24E, Salt Lake Meridian, San Juan County, Utah, API 43-037-31034, for conversion to a Class II injection well. The adjudicative proceedings will be conducted informally according to Utah Admin. Rule R649-10, Administrative Procedures. CCI Paradox Upstream, LLC is located at 600 17th Street, Ste 1900S, Denver, CO 80202, phone 303-728-2222.

Selective zones in the Leadville Limestone will be used for waste gas re-injection. The operator proposes to inject a gas mixture of water, CO_2 and H_2S at a maximum requested injection pressure of 1,650 psia and injection rate of 2,000 BPD. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by CCI Paradox Upstream, LLC.

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Dated this 12th day of January, 2015.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

Brad Hill
Permitting Manager

CCI Paradox Upstream, LLC
Lisbon Unit D-716
Cause No. UIC – 429.1

Publication Notices were sent to the following:

CCI Paradox Upstream, LLC
600 17th Street, Ste 1900S
Denver, CO 80202

The Times Independent - Moab
P.O. Box 129
Moab, UT 84532-0129
Via E-mail legal@moabtimes.com

San Juan Record
P.O. Box 879
Monticello, UT 84335-0879
Via E-mail sjrnews@frontiernet.net

The Salt Lake Tribune
PO Box 45838
Salt Lake City, UT 84145
Via E-mail naclegal@mediaoneutah.com

Moab Field Office
Bureau of Land Management
82 E Dogwood
Moab, UT 84532

San Juan County Planning
117 South Main
Monticello UT 84535

Bruce Suchomel
US EPA Region 8
MS 8-P-W-GW
1595 Wynkoop St
Denver, CO 80202-1129

SITLA
675 E 500 S
Salt Lake City, UT 84102-2818

Jean Sweet

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

January 12, 2015

Via e-mail: legal@moabtimes.com

Moab Times
P.O. Box 129
Moab, UT 84532-0129

Subject: Notice of Agency Action – CCI Paradox Upstream, LLC, Lisbon Unit D-716
Cause No. UIC – 429.1

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining
Suite 1210
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure

Jean Sweet <jsweet@utah.gov>

Re: Notice of Agency Action CCI Paradox Upstream, LLC, Lisbon Unit D-716 Cause No. UIC – 429.1

1 message

Zane Taylor <zane@moabtimes.com> Mon, Jan 12, 2015 at 1:42 PM
To: Jean Sweet <JSWEET@utah.gov>

Jean,

We received your notice and will publish as per your request, on Thursday, January 15. Thank you.

Zane W. Taylor
The Times-Independent
Moab, Utah
435-259-7525

Join us on Facebook:
www.facebook.com/MoabTimesIndependent
or on Twitter:
@MoabTimes

On Jan 12, 2015, at 12:13 PM, Jean Sweet wrote:

> Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.
>
> Please send proof of publication and billing to:
>
> Division of Oil, Gas and Mining
>
> Suite 1210
>
> PO Box 145801
>
> Salt Lake City, UT 84114-5801
>
> Sincerely,
>
> –
> Jean Sweet
> Executive Secretary
> Utah Division of Oil, Gas and Mining
> 801-538-5329
> <20150112 Notice Moab Times.pdf><20150112 UIC Notice newspapers.docx>

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

January 12, 2015

Via email: naclegal@mediaoneutah.com

Salt Lake Tribune
PO Box 45838
Salt Lake City, UT 84145

Subject: Notice of Agency Action – CCI Paradox Upstream, LLC, Lisbon Unit D-716
Cause No. UIC – 429.1

To Whom It May Concern:

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Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining
Suite 1210
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure

Utah **MediaOne** Group

Deseret News The Salt Lake Tribune

Remit to: 4770 S 5600 W
West Valley City, UT 84118

Order Confirmation for Ad #0001005303-01

Client	DIV OF OIL-GAS & MINING	**Payor Customer**	DIV OF OIL-GAS & MINING
Client Phone	801-538-5340	**Payor Phone**	801-538-5340
Account#	[redacted]	**Payor Account**	[redacted]
Address	1594 W NORTH TEMPLE STE 1210, SALT LAKE CITY UT 84116-3154 USA	**Payor Address**	1594 W NORTH TEMPLE STE 1210, SALT LAKE CITY UT 84116-3154
Fax	801-359-3940	**Ordered By**	**Acct. Exec**
EMail	juliecarter@utah.gov	Jean	mfultz

Total Amount	**$193.16**
Payment Amt	**$0.00**
Amount Due	**$193.16**

Tear Sheets	Proofs	Affidavits
0	0	1

Payment Method

PO Number 20150112

Confirmation Notes:

Text: Jean

Ad Type	Ad Size	Color
Legal Liner	2.0 X 56 Li	<NONE>

Product	Placement	Position
Salt Lake Tribune::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	1/14/2015	
Product	**Placement**	**Position**
Deseret News::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	1/14/2015	
Product	**Placement**	**Position**
utahlegals.com::	utahlegals.com	utahlegals.com
Scheduled Date(s):	1/14/2015	

Ad Content Proof Actual Size

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC - 429.1

IN THE MATTER OF THE APPLICATION OF CCI PARADOX UPSTREAM, LLC FOR ADMINISTRATIVE APPROVAL OF THE LISBON UNIT D-716 DISPOSAL WELL LOCATED IN SECTION 16, TOWNSHIP 30S, RANGE 24E, SAN JUAN COUNTY, UTAH, AS A CLASS II INJECTION WELL.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of CCI Paradox Upstream, LLC for administrative approval of the Lisbon Unit D-716 well, located in SE/4 NE/4, Section 16, Township 30S, Range 24E, Salt Lake Meridian, San Juan County, Utah, API 43-037-31034, for conversion to a Class II injection well. The adjudicative proceedings will be conducted informally according to Utah Admin. Rule R649-10, Administrative Procedures. CCI Paradox Upstream, LLC is located at 600 17th Street, Ste 1900S, Denver, CO 80202, phone 303-728-2222.

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Dated this 12th day of January, 2015.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill
Permitting Manager

1005303 UPAXLP

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

January 12, 2015

Via e-mail: sjrnews@frontiernet.net

San Juan Record
P.O. Box 879
Monticello, UT 84335-0879

Subject: Notice of Agency Action – CCI Paradox Upstream, LLC, Lisbon Unit D-716
Cause No. UIC – 429.1

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining
Suite 1210
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet

Jean Sweet
Executive Secretary

Enclosure

Notice of Agency Action

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC – 429.1
IN THE MATTER OF THE APPLICATION OF CCI PARADOX UPSTREAM, LLC FOR ADMINISTRATIVE APPROVAL OF THE LISBON UNIT D-716 DISPOSAL WELL LOCATED IN SECTION 16, TOWNSHIP 30S, RANGE 24E, SAN JUAN COUNTY, UTAH, AS A CLASS II INJECTION WELL.
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Dated this 12th day of January, 2015.
STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill
Permitting Manager
Published January 21, 2015 in the San Juan Record, Monticello, Utah.

STEP RATE ANALYSIS

CCI
Lisbon D-716
MinFrac Report

Date May 7, 2015
Farmington, NM
505-215-5744

BAKER HUGHES

Pressure Pumping

MinFrac

Minifrac Analysis Simulator

2130 Freeport Rd, Suite C, Natrona Heights, PA 15065 USA
MinFrac version 5.90.2272 (64-bit)
http://www.mfrac.com/

Company:
Well:
Location:
Date:

Step Rate Analysis - Surface

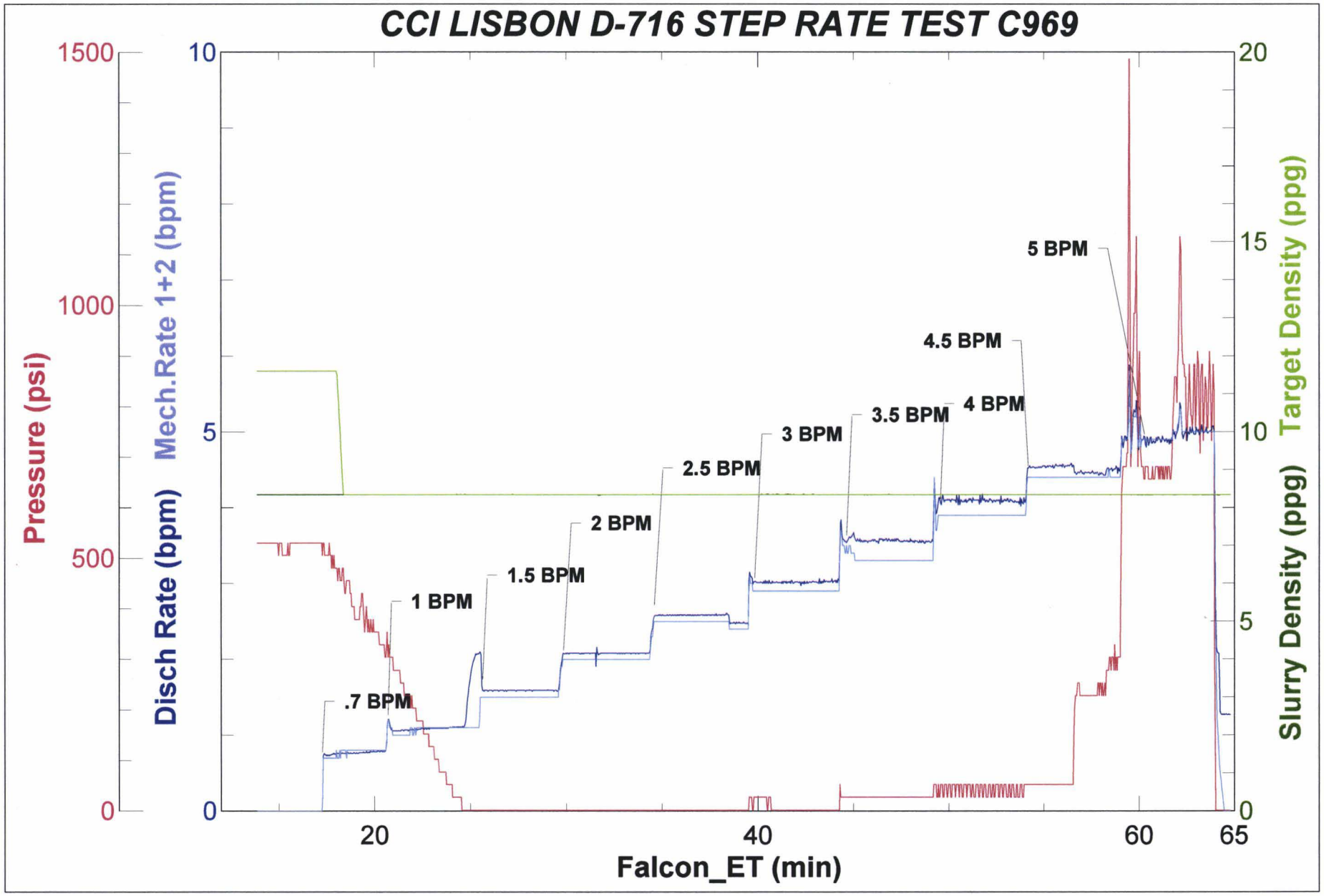
Extension Pressure	73.4182	psi
Extension Pressure (BH)	2240.08	psi
Extension Gradient (BH)	0.448017	psi/ft
Specific Gravity of Fluid	1	

Perforations

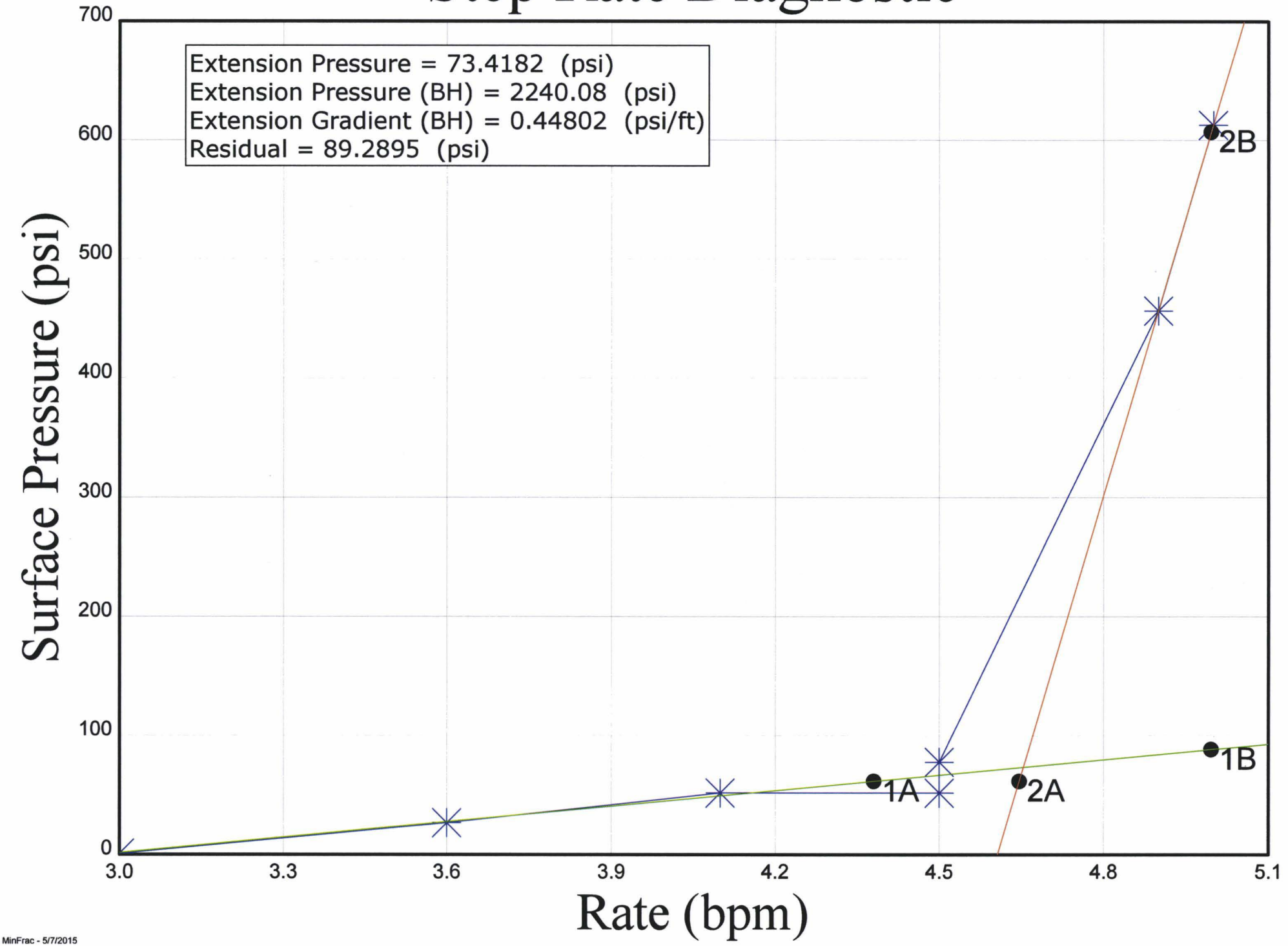
Number of perforations	234	
Perforation Discharge Coefficient	0.6	
Perforation Diameter	0.4	in.

Pressure Table

Rate (bpm)	Surface Pressure (psi)	ΔP Fric (psi)	ΔP Frac (psi)	ΔP Perf Ideal (psi)	Extension Pressure (psi)
3	1	0	0	0.035259	0.96474
3	1	0	0	0.035259	0.96474
3.6	27	0	0	0.050773	26.949
3.6	27	0	0	0.050773	26.949
4.1	52	0	0	0.065856	51.934
4.1	52	0	0	0.065856	51.934
4.5	52	0	0	0.079333	51.921
4.5	228	150	0	0.079333	77.921
4.9	656	199	0	0.094064	456.91
4.9	656	199	0	0.094064	456.91
5	858	245	0	0.097942	612.9
5	858	245	0	0.097942	612.9


CCI LISBON D-716 STEP RATE TEST C969
Pressure (psi)
Disch Rate (bpm)
Mech.Rate 1+2 (bpm)
Slurry Density (ppg)
Target Density (ppg)
Falcon_ET (min)
1500
1000
500
0
10
5
0
20
15
10
5
0
20
40
60
65
.7 BPM
1 BPM
1.5 BPM
2 BPM
2.5 BPM
3 BPM
3.5 BPM
4 BPM
4.5 BPM
5 BPM

Step Rate Diagnostic



MinFrac - 5/7/2015

Disclaimer Notice

Baker Hughes personnel will use good faith at all times in interpreting information, making recommendations, (either written, or oral) as to the type or amount of products, equipment or services to be furnished, the manner of performance, or in predicting results to be obtained. The recommendation and projections given are estimates based on calculations produced by a computer model including various assumptions regarding the well, reservoir and treatment. Due to the uncertainty of variable well conditions and the necessity of relying on facts and supporting services provided by the Customer and its other contractors, Baker Hughes hereby disclaims the accuracy of any chart interpretation, research, analysis, job recommendation or other data furnished by Baker Hughes. Such data shall include the attached report, any similar information provided electronically and any data generated through real-time monitoring. NO WARRANTY IS GIVEN CONCERNING THE EFFECTIVENESS OF THE PRODUCTS OR EQUIPMENT USED, RECOMMENDATIONS GIVEN OR SERVICES RENDERED. NO WARRANTIES, EXPRESS OR IMPLIED ARE MADE AND ALL SUCH WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABLITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY EXCLUDED AND DISCLAIMED BY BAKER HUGHES.

Pressure Test Report

COMPANY INFORMATION

Company Name	CCI
Representative	SCOTTY SHULL
Phone	
Fax	
Address	
E-Mail Address	
Service Company	PHOENIX SERVICES

WELL INFORMATION

Well Name	LISBON D 716
Well Location	
Field and Pool	LISBON
Status (Oil, Gas, Water, Injection)	OIL
Perforated Intervals	8246-8522
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	12
Casing Flange (CF)	
KB-CF	
Ground Level	
Plug Back Total Depth	
Total Depth	8533
Production Casing	5 1/2
Production Tubing	2 3/8

TEST INFORMATION

Type of Test	STEP RATE TEST
Date(s) of Test	6/5/15
Dead-weight Gauge Tubing Pressure	200
Dead-weight Gauge Casing Pressure	
Shut-in Date (Duration)	
Date / Time on Bottom	6/5/15 @ 0944 HRS
Date / Time off Bottom	6/5/15 @ 1414 HRS
Probe Serial Number	90204
Probe Offset from End of Tool String	0-6000
Run Depth at Probe Pressure Port	8249

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	1648.4 psig
Maximum Recorded Probe Temperature	141.7 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	35272WP

Company Name	CCI
Well Name	LISBON D 716
Type of Test	STEP RATE TEST
Date(s) of Test	6/5/15

PROBE INFORMATION

Probe Serial Number 90204
Model
Pressure
- Calibrated Pressure Range
- Accuracy
- Resolution

Temperature
- Calibrated Temperature Range
- Accuracy
- Resolution

Calibration File Used for Reports

PROGRAMMING DETAILS

Step	Sample Mode	Period	Duration	Comment

Program Start Time
Program End Time
Total Samples Taken
Usage for this Test
Generic Data File Name

Company Name	CCI
Well Name	LISBON D 716
Type of Test	STEP RATE TEST
Date(s) of Test	6/5/15

COMMENTS

Reported By PHOENIX SERVICES

RU PUMPING TEE-ON STANDBY FOR BAKER-RAN TANDEM BHP GAUGES TO 8249' MAKING GRADIENT STOPS-ON STANDBY WHILE STEP RATE TEST RUN-POOH W/TANDEM BHP GAUGES MAKING GRADIENT STOPS.

Company Name	CCI
Well Name	LISBON D 716
Type of Test	STEP RATE TEST
Date(s) of Test	6/5/15

Pressure vs. Depth

Probe Serial Number 90204

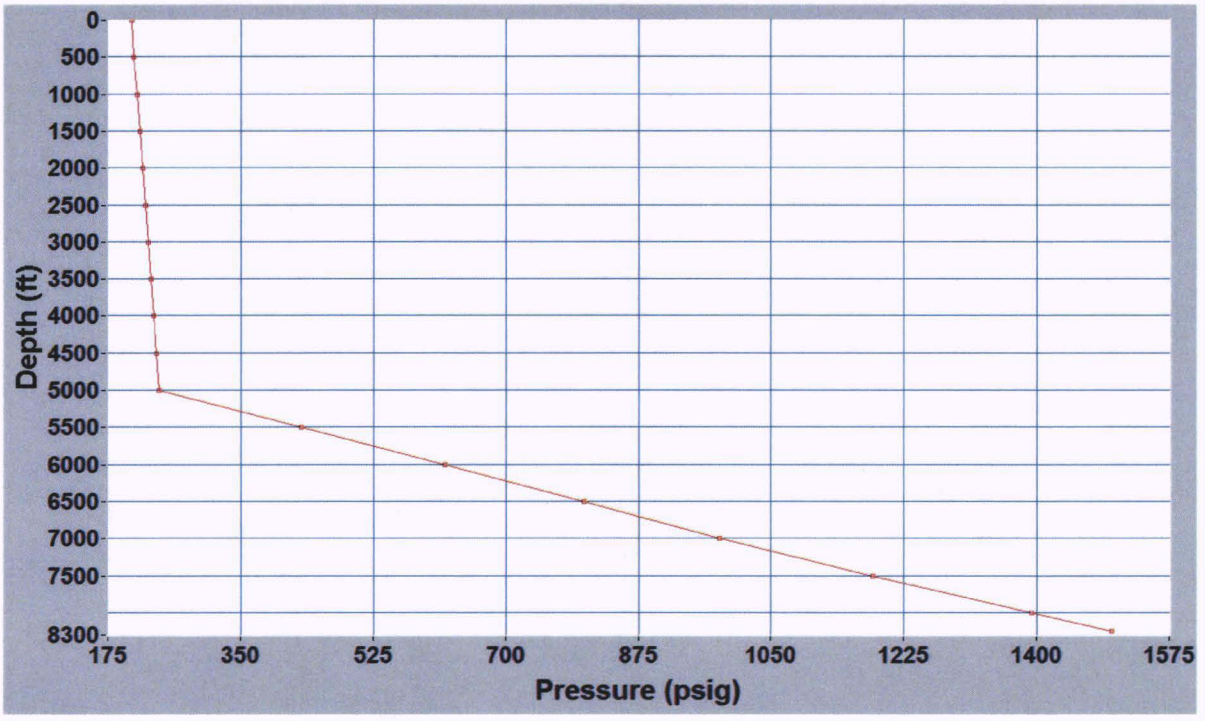
Stop Time From	Stop Time To	Depth (ft)	Pressure (psig)	Gradient (psi/ft)	(deg F)	(deg F/ft)
0903	0905	0.000	206.795	-	57.416	-
0906	0908	500.000	209.643	0.0057	57.848	0.0009
0908	0910	1000.000	213.820	0.0084	58.406	0.0011
0910	0912	1500.000	217.764	0.0079	61.322	0.0058
0912	0914	2000.000	221.320	0.0071	65.786	0.0089
0914	0916	2500.000	224.732	0.0068	70.268	0.0090
0916	0918	3000.000	228.214	0.0070	76.478	0.0124
0918	0920	3500.000	232.002	0.0076	83.246	0.0135
0921	0923	4000.000	235.756	0.0075	92.408	0.0183
0923	0925	4500.000	239.525	0.0075	97.790	0.0108
0925	0937	5000.000	243.481	0.0079	104.432	0.0133
0927	0929	5500.000	430.138	0.3733	114.926	0.0210
0930	0932	6000.000	620.480	0.3807	121.262	0.0127
0933	0935	6500.000	804.059	0.3672	125.420	0.0083
0935	0937	7000.000	983.204	0.3583	129.200	0.0076
0938	0940	7500.000	1184.039	0.4017	132.872	0.0073
0941	0943	8000.000	1394.032	0.4200	136.904	0.0081
0944		8249.000	1499.165	0.4222	140.018	0.0125

Extrapolated to MPP:	Depth (ft)	Pressure (psig)	(deg F)
	0.000		

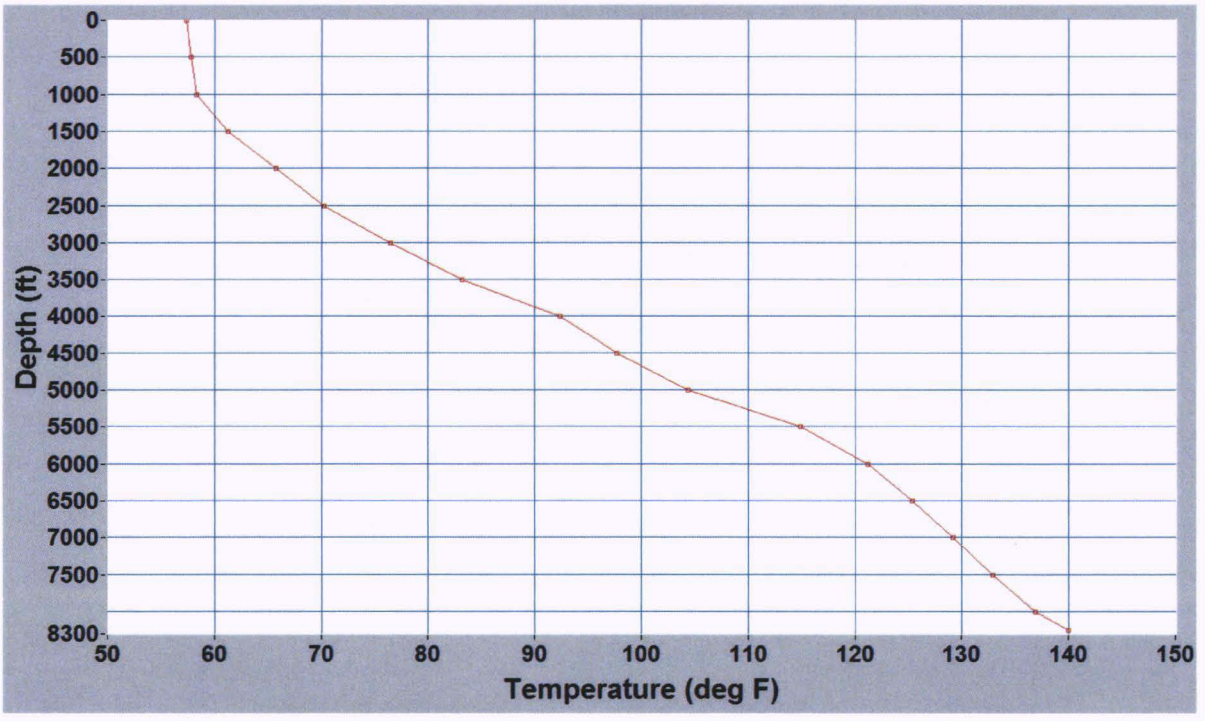
Company Name	CCI
Well Name	LISBON D 716
Type of Test	STEP RATE TEST
Date(s) of Test	6/5/15

Probe Serial Number 90204

RIH Gradient Depth vs. Pressure



RIH Gradient Depth vs. Temperature



Company Name	CCI
Well Name	LISBON D 716
Type of Test	STEP RATE TEST
Date(s) of Test	6/5/15

Pressure vs. Depth

Probe Serial Number 90204

		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
	1414	8249.000	1588.986	-	95.144	-
1415	1417	8000.000	1457.415	0.5284	98.330	-0.0128
1418	1420	7500.000	1204.367	0.5061	99.086	-0.0015
1421	1423	7000.000	953.044	0.5026	97.772	0.0026
1424	1426	6500.000	701.874	0.5023	96.800	0.0019
1427	1429	6000.000	452.909	0.4979	96.044	0.0015
1430	1432	5500.000	204.680	0.4965	93.002	0.0061
1432	1434	5000.000	0.000	0.4094	89.870	0.0063
1435	1437	4500.000	0.000	0.0000	88.556	0.0026
1438	1440	4000.000	0.000	0.0000	87.638	0.0018
1440	1442	3500.000	0.000	0.0000	86.126	0.0030
1443	1445	3000.000	0.000	0.0000	84.506	0.0032
1446	1448	2500.000	0.000	0.0000	81.230	0.0066
1449	1451	2000.000	0.000	0.0000	78.998	0.0045
1452	1454	1500.000	0.000	0.0000	77.090	0.0038
1454	1456	1000.000	0.000	0.0000	75.020	0.0041
1457	1459	500.000	0.000	0.0000	73.958	0.0021
1500	1502	0.000	0.000	0.0000	72.518	0.0029

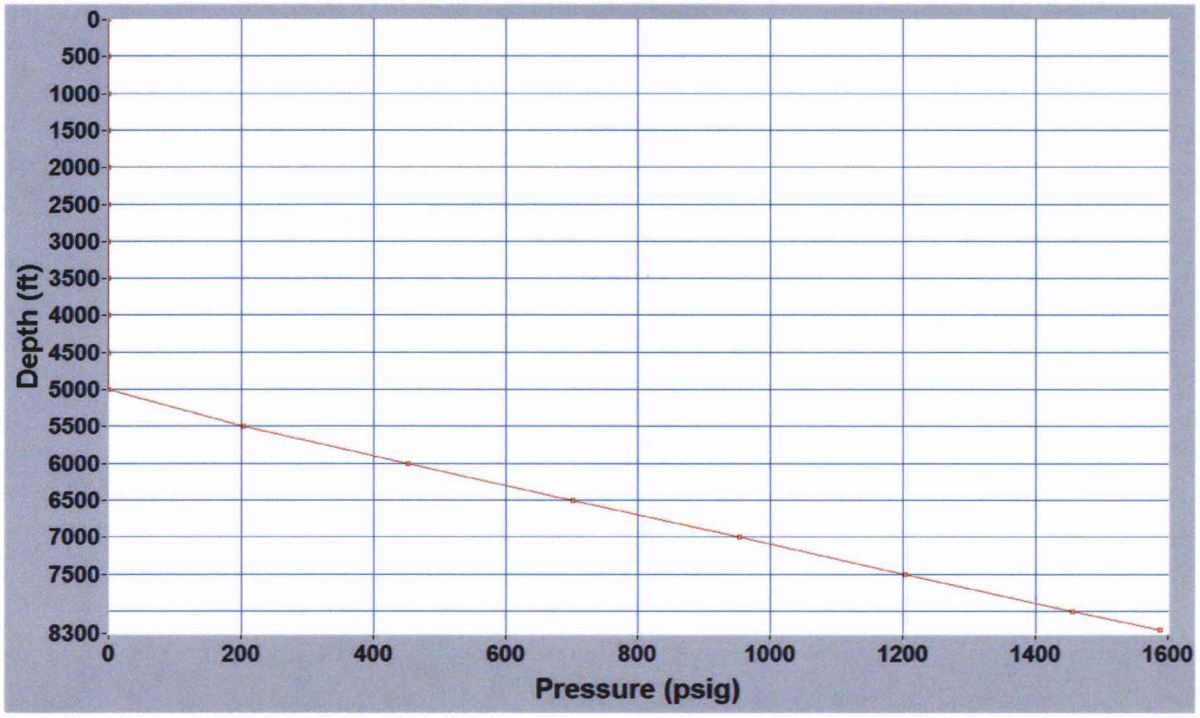
Extrapolated to MPP:

(ft)	(psig)	(deg F)
0.000		

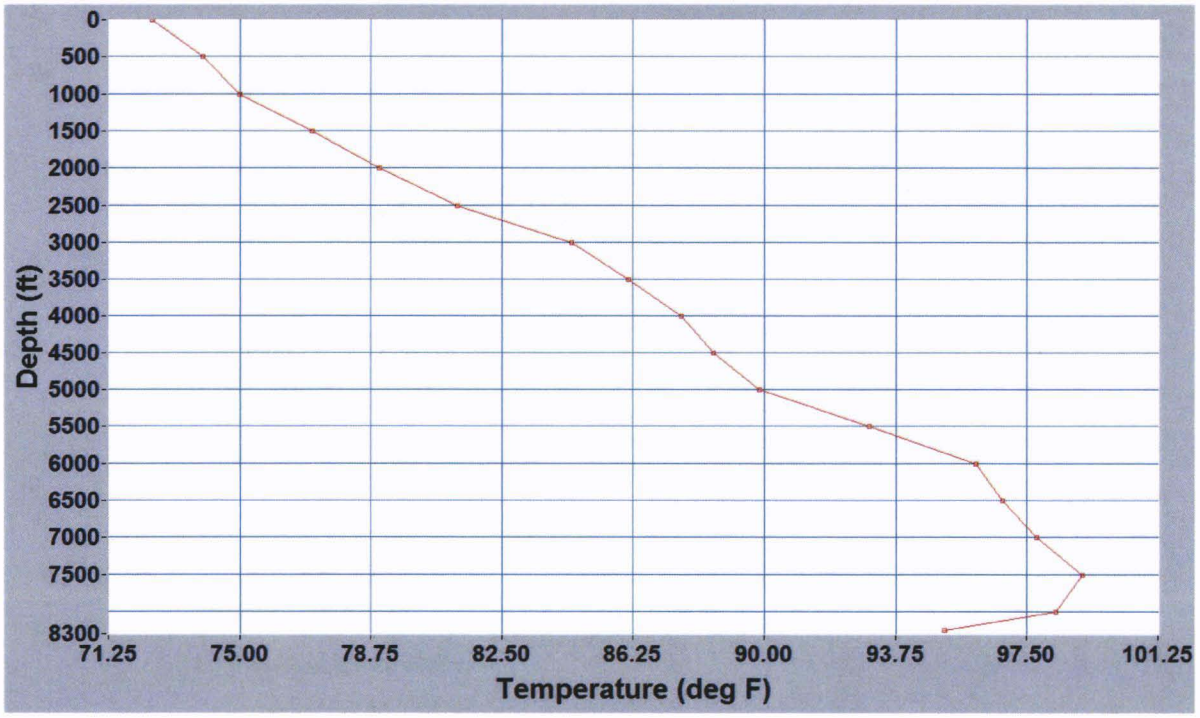
Company Name	CCI
Well Name	LISBON D 716
Type of Test	STEP RATE TEST
Date(s) of Test	6/5/15

Probe Serial Number 90204

POOH Gradient Depth vs. Pressure

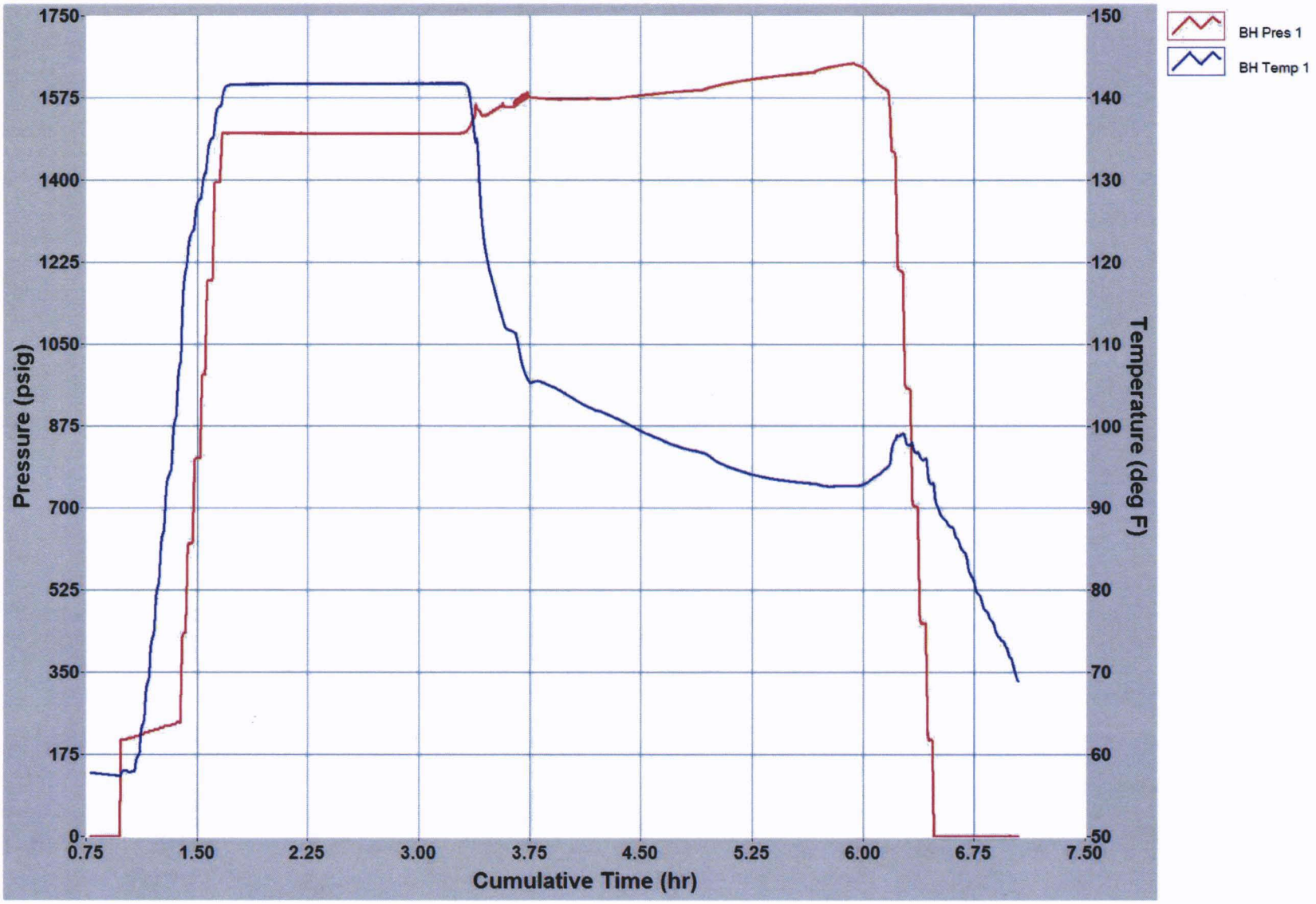


POOH Gradient Depth vs. Temperature



Company Name	CCI
Well Name	LISBON D 716
Type of Test	STEP RATE TEST
Date(s) of Test	6/5/15

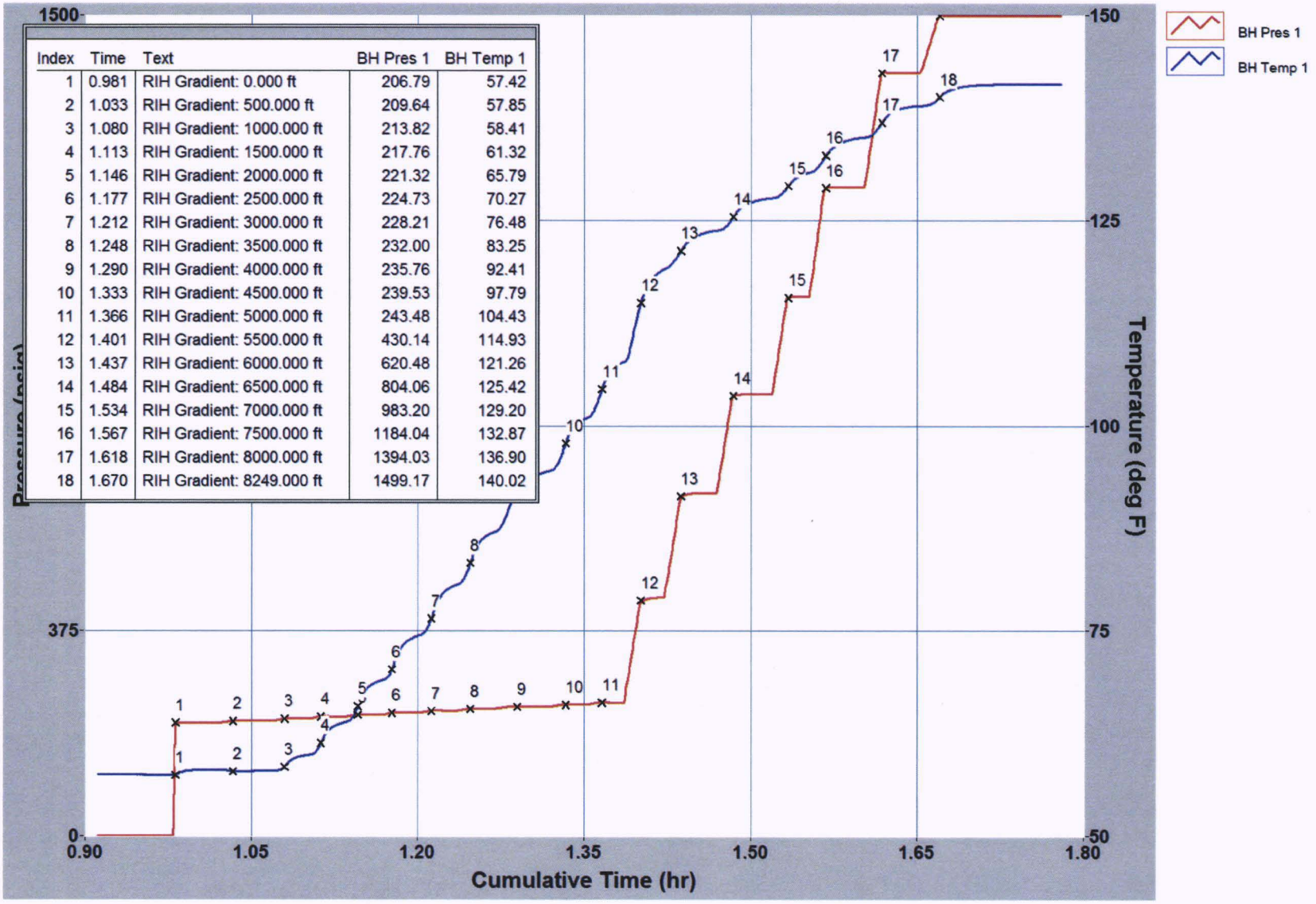
Lisbon D716



Company Name	CCI
Well Name	LISBON D 716
Type of Test	STEP RATE TEST
Date(s) of Test	6/5/15

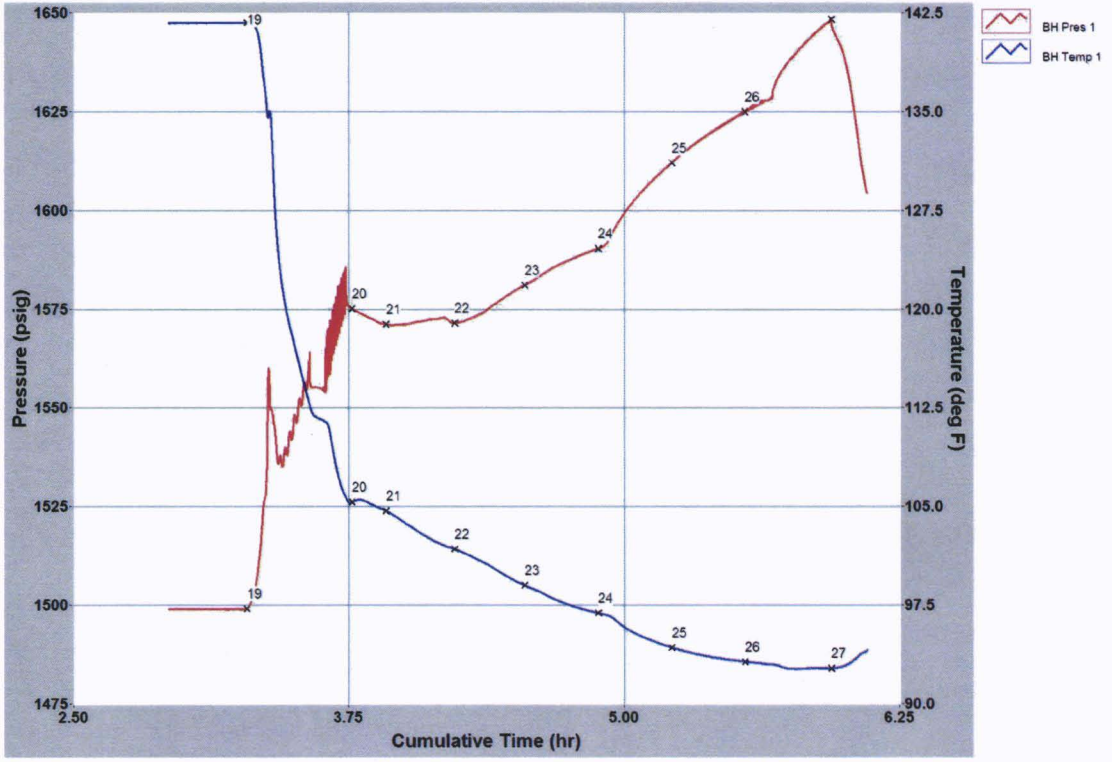
RIH Gradient Lisbon D716

Index	Time	Text	BH Pres 1	BH Temp 1
1	0.981	RIH Gradient: 0.000 ft	206.79	57.42
2	1.033	RIH Gradient: 500.000 ft	209.64	57.85
3	1.080	RIH Gradient: 1000.000 ft	213.82	58.41
4	1.113	RIH Gradient: 1500.000 ft	217.76	61.32
5	1.146	RIH Gradient: 2000.000 ft	221.32	65.79
6	1.177	RIH Gradient: 2500.000 ft	224.73	70.27
7	1.212	RIH Gradient: 3000.000 ft	228.21	76.48
8	1.248	RIH Gradient: 3500.000 ft	232.00	83.25
9	1.290	RIH Gradient: 4000.000 ft	235.76	92.41
10	1.333	RIH Gradient: 4500.000 ft	239.53	97.79
11	1.366	RIH Gradient: 5000.000 ft	243.48	104.43
12	1.401	RIH Gradient: 5500.000 ft	430.14	114.93
13	1.437	RIH Gradient: 6000.000 ft	620.48	121.26
14	1.484	RIH Gradient: 6500.000 ft	804.06	125.42
15	1.534	RIH Gradient: 7000.000 ft	983.20	129.20
16	1.567	RIH Gradient: 7500.000 ft	1184.04	132.87
17	1.618	RIH Gradient: 8000.000 ft	1394.03	136.90
18	1.670	RIH Gradient: 8249.000 ft	1499.17	140.02



Company Name	CCI
Well Name	LISBON D 716
Type of Test	STEP RATE TEST
Date(s) of Test	6/5/15

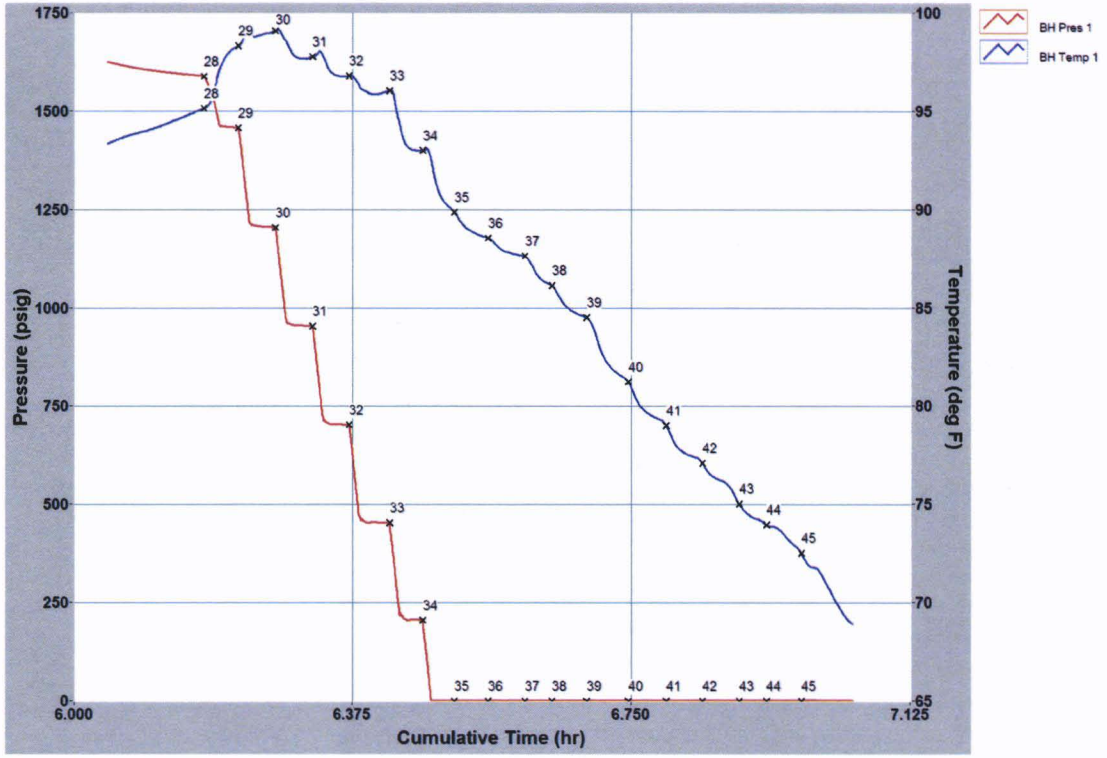
Step Rate Test Lisbon D716



Index	Time	Text	BH Pres 1	BH Temp 1
19	3.287	LOAD HOLE	1499.11	141.75
20	3.767	0.5 BBL/MIN	1575.06	105.35
21	3.922	1.0 BBL/MIN	1571.11	104.67
22	4.234	1.5 BBL/MIN	1571.44	101.77
23	4.550	2 BBL/MIN	1581.00	99.00
24	4.884	3 BBL/MIN	1590.33	96.89
25	5.217	4 BBL/MIN	1611.97	94.28
26	5.550	5 BBL/MIN	1624.92	93.20
27	5.941	STOPPED PUMPING	1648.37	92.70

Company Name	CCI
Well Name	LISBON D 716
Type of Test	STEP RATE TEST
Date(s) of Test	6/5/15

POOH Gradient Lisbon D716



Index	Time	Text	BH Pres 1	BH Temp 1
28	6.175	POOH Gradient: 8249.000 ft	1588.99	95.14
29	6.221	POOH Gradient: 8000.000 ft	1457.41	98.33
30	6.271	POOH Gradient: 7500.000 ft	1204.37	99.09
31	6.321	POOH Gradient: 7000.000 ft	953.04	97.77
32	6.371	POOH Gradient: 6500.000 ft	701.87	96.80
33	6.426	POOH Gradient: 6000.000 ft	452.91	96.04
34	6.470	POOH Gradient: 5500.000 ft	204.68	93.00
35	6.513	POOH Gradient: 5000.000 ft	0.00	89.87
36	6.558	POOH Gradient: 4500.000 ft	0.00	88.56
37	6.607	POOH Gradient: 4000.000 ft	0.00	87.64
38	6.644	POOH Gradient: 3500.000 ft	0.00	86.13
39	6.690	POOH Gradient: 3000.000 ft	0.00	84.51
40	6.746	POOH Gradient: 2500.000 ft	0.00	81.23
41	6.798	POOH Gradient: 2000.000 ft	0.00	79.00
42	6.846	POOH Gradient: 1500.000 ft	0.00	77.09
43	6.896	POOH Gradient: 1000.000 ft	0.00	75.02
44	6.933	POOH Gradient: 500.000 ft	0.00	73.96
45	6.979	POOH Gradient: 0.000 ft	0.00	72.52

Company Name CCI
Well Name LISBON D 716
Type of Test STEP RATE TEST
Date(s) of Test 6/5/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/06/05	08:03:00	0.0000	0.535	70.484
2015/06/05	08:04:29	0.0247	0.571	70.358
2015/06/05	08:05:59	0.0497	0.483	69.908
2015/06/05	08:07:31	0.0753	0.470	68.864
2015/06/05	08:08:59	0.0997	204.061	68.558
2015/06/05	08:10:31	0.1253	203.824	67.820
2015/06/05	08:11:59	0.1497	8.319	66.758
2015/06/05	08:13:31	0.1753	0.483	65.048
2015/06/05	08:15:01	0.2003	0.505	64.418
2015/06/05	08:16:31	0.2253	203.163	64.274
2015/06/05	08:18:01	0.2503	203.263	63.608
2015/06/05	08:19:31	0.2753	203.420	63.212
2015/06/05	08:20:59	0.2997	203.574	62.834
2015/06/05	08:22:29	0.3247	203.708	62.492
2015/06/05	08:24:01	0.3503	203.856	62.150
2015/06/05	08:25:29	0.3747	203.985	61.844
2015/06/05	08:27:01	0.4003	204.136	61.556
2015/06/05	08:28:29	0.4247	204.264	61.286
2015/06/05	08:30:01	0.4503	204.407	61.016
2015/06/05	08:31:31	0.4753	204.542	60.800
2015/06/05	08:33:01	0.5003	204.677	60.566
2015/06/05	08:34:31	0.5253	204.816	60.368
2015/06/05	08:36:01	0.5503	204.962	60.170
2015/06/05	08:37:29	0.5747	205.111	59.990
2015/06/05	08:38:59	0.5997	0.464	58.838
2015/06/05	08:40:31	0.6253	0.508	58.478
2015/06/05	08:41:59	0.6497	0.508	58.316
2015/06/05	08:43:31	0.6753	0.506	58.172
2015/06/05	08:44:59	0.6997	0.500	58.064
2015/06/05	08:46:31	0.7253	0.502	57.974
2015/06/05	08:48:01	0.7503	0.497	57.884
2015/06/05	08:49:31	0.7753	0.506	57.812
2015/06/05	08:51:01	0.8003	0.502	57.758
2015/06/05	08:52:31	0.8253	0.500	57.704
2015/06/05	08:54:01	0.8503	0.505	57.650
2015/06/05	08:55:31	0.8753	0.496	57.614
2015/06/05	08:57:01	0.9003	0.495	57.560
2015/06/05	08:58:31	0.9253	0.479	57.506
2015/06/05	09:00:01	0.9503	0.477	57.470
2015/06/05	09:01:31	0.9753	0.480	57.416
RIH Gradient: 0.000 ft				
2015/06/05	09:01:53	0.9814	206.795	57.416
2015/06/05	09:03:01	1.0003	206.325	58.028
2015/06/05	09:04:29	1.0247	207.314	58.046
RIH Gradient: 500.000 ft				
2015/06/05	09:04:59	1.0331	209.643	57.848
2015/06/05	09:06:01	1.0503	210.326	57.920
2015/06/05	09:07:29	1.0747	211.614	58.010
RIH Gradient: 1000.000 ft				
2015/06/05	09:07:49	1.0803	213.820	58.406

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/06/05	09:09:01	1.1003	214.116	59.828
RIH Gradient: 1500.000 ft				
2015/06/05	09:09:47	1.1131	217.764	61.322
2015/06/05	09:10:31	1.1253	217.764	63.392
RIH Gradient: 2000.000 ft				
2015/06/05	09:11:47	1.1464	221.320	65.786
2015/06/05	09:12:01	1.1503	221.481	67.082
2015/06/05	09:13:31	1.1753	224.143	69.728
RIH Gradient: 2500.000 ft				
2015/06/05	09:13:37	1.1769	224.732	70.268
2015/06/05	09:15:01	1.2003	224.896	74.390
RIH Gradient: 3000.000 ft				
2015/06/05	09:15:45	1.2125	228.214	76.478
2015/06/05	09:16:31	1.2253	228.495	79.880
RIH Gradient: 3500.000 ft				
2015/06/05	09:17:51	1.2475	232.002	83.246
2015/06/05	09:18:01	1.2503	232.095	84.326
2015/06/05	09:19:31	1.2753	233.695	87.782
RIH Gradient: 4000.000 ft				
2015/06/05	09:20:23	1.2897	235.756	92.408
2015/06/05	09:21:01	1.3003	235.599	93.632
2015/06/05	09:22:29	1.3247	237.549	95.072
RIH Gradient: 4500.000 ft				
2015/06/05	09:22:59	1.3331	239.525	97.790
2015/06/05	09:24:01	1.3503	239.372	100.832
RIH Gradient: 5000.000 ft				
2015/06/05	09:24:57	1.3658	243.481	104.432
2015/06/05	09:25:29	1.3747	243.220	106.862
2015/06/05	09:26:59	1.3997	420.997	114.404
RIH Gradient: 5500.000 ft				
2015/06/05	09:27:03	1.4008	430.138	114.926
2015/06/05	09:28:31	1.4253	474.888	119.300
RIH Gradient: 6000.000 ft				
2015/06/05	09:29:13	1.4369	620.480	121.262
2015/06/05	09:29:59	1.4497	625.805	122.972
2015/06/05	09:31:31	1.4753	701.516	123.998
RIH Gradient: 6500.000 ft				
2015/06/05	09:32:03	1.4842	804.059	125.420
2015/06/05	09:32:59	1.4997	807.010	127.148
2015/06/05	09:34:29	1.5247	878.450	127.904
RIH Gradient: 7000.000 ft				
2015/06/05	09:35:01	1.5336	983.204	129.200
2015/06/05	09:35:59	1.5497	985.734	130.712
RIH Gradient: 7500.000 ft				
2015/06/05	09:37:03	1.5675	1184.039	132.872
2015/06/05	09:37:31	1.5753	1184.826	133.988
2015/06/05	09:38:59	1.5997	1184.702	135.068
RIH Gradient: 8000.000 ft				
2015/06/05	09:40:05	1.6181	1394.032	136.904
2015/06/05	09:40:31	1.6253	1394.634	138.002

Company Name CCI
Well Name LISBON D 716
Type of Test STEP RATE TEST
Date(s) of Test 6/5/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/06/05	09:41:59	1.6497	1394.381	138.902
RIH Gradient: 8249.000 ft				
2015/06/05	09:43:13	1.6703	1499.165	140.018
2015/06/05	09:43:29	1.6747	1499.265	140.558
2015/06/05	09:45:01	1.7003	1499.023	141.440
2015/06/05	09:46:31	1.7253	1499.017	141.566
2015/06/05	09:47:59	1.7497	1499.023	141.620
2015/06/05	09:49:31	1.7753	1499.029	141.620
2015/06/05	09:51:01	1.8003	1499.020	141.638
2015/06/05	09:52:31	1.8253	1499.036	141.638
2015/06/05	09:54:01	1.8503	1499.029	141.638
2015/06/05	09:55:31	1.8753	1499.033	141.656
2015/06/05	09:57:01	1.9003	1499.011	141.656
2015/06/05	09:58:31	1.9253	1499.001	141.656
2015/06/05	10:00:01	1.9503	1498.981	141.656
2015/06/05	10:01:29	1.9747	1498.981	141.638
2015/06/05	10:03:01	2.0003	1498.998	141.656
2015/06/05	10:04:29	2.0247	1498.993	141.674
2015/06/05	10:06:01	2.0503	1498.974	141.656
2015/06/05	10:07:31	2.0753	1498.978	141.674
2015/06/05	10:09:01	2.1003	1498.987	141.674
2015/06/05	10:10:31	2.1253	1498.998	141.674
2015/06/05	10:12:01	2.1503	1498.971	141.674
2015/06/05	10:13:29	2.1747	1498.993	141.674
2015/06/05	10:14:59	2.1997	1498.998	141.692
2015/06/05	10:16:31	2.2253	1498.975	141.674
2015/06/05	10:18:01	2.2503	1498.959	141.692
2015/06/05	10:19:31	2.2753	1498.966	141.674
2015/06/05	10:21:01	2.3003	1498.964	141.692
2015/06/05	10:22:31	2.3253	1498.946	141.674
2015/06/05	10:23:59	2.3497	1498.942	141.692
2015/06/05	10:25:31	2.3753	1498.948	141.692
2015/06/05	10:26:59	2.3997	1498.946	141.692
2015/06/05	10:28:31	2.4253	1498.942	141.692
2015/06/05	10:29:59	2.4497	1498.933	141.692
2015/06/05	10:31:29	2.4747	1498.926	141.692
2015/06/05	10:33:01	2.5003	1498.913	141.692
2015/06/05	10:34:31	2.5253	1498.927	141.692
2015/06/05	10:36:01	2.5503	1498.914	141.710
2015/06/05	10:37:31	2.5753	1498.904	141.692
2015/06/05	10:38:59	2.5997	1498.924	141.710
2015/06/05	10:40:31	2.6253	1498.917	141.710
2015/06/05	10:41:59	2.6497	1498.911	141.710
2015/06/05	10:43:31	2.6753	1498.898	141.710
2015/06/05	10:44:59	2.6997	1498.936	141.710
2015/06/05	10:46:31	2.7253	1498.911	141.710
2015/06/05	10:48:01	2.7503	1498.897	141.710
2015/06/05	10:49:29	2.7747	1498.897	141.710
2015/06/05	10:51:01	2.8003	1498.887	141.710
2015/06/05	10:52:29	2.8247	1498.868	141.710

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/06/05	10:54:01	2.8503	1498.880	141.710
2015/06/05	10:55:29	2.8747	1498.898	141.728
2015/06/05	10:57:01	2.9003	1498.891	141.728
2015/06/05	10:58:29	2.9247	1498.872	141.728
2015/06/05	11:00:01	2.9503	1498.875	141.728
2015/06/05	11:01:29	2.9747	1498.868	141.728
2015/06/05	11:03:01	3.0003	1498.892	141.728
2015/06/05	11:04:31	3.0253	1498.906	141.746
2015/06/05	11:06:01	3.0503	1498.901	141.728
2015/06/05	11:07:29	3.0747	1498.903	141.728
2015/06/05	11:09:01	3.1003	1498.882	141.728
2015/06/05	11:10:29	3.1247	1498.884	141.746
2015/06/05	11:12:01	3.1503	1498.882	141.746
2015/06/05	11:13:31	3.1753	1498.859	141.728
2015/06/05	11:15:01	3.2003	1498.892	141.728
2015/06/05	11:16:31	3.2253	1498.878	141.746
2015/06/05	11:18:01	3.2503	1498.871	141.746
2015/06/05	11:19:31	3.2753	1498.898	141.746
LOAD HOLE				
2015/06/05	11:20:13	3.2869	1499.107	141.746
2015/06/05	11:20:59	3.2997	1499.980	141.710
2015/06/05	11:22:31	3.3253	1504.609	141.368
2015/06/05	11:23:59	3.3497	1515.547	139.388
2015/06/05	11:25:31	3.3753	1532.460	135.536
2015/06/05	11:26:59	3.3997	1549.443	132.944
2015/06/05	11:28:31	3.4253	1536.628	124.844
2015/06/05	11:30:01	3.4503	1535.217	121.316
2015/06/05	11:31:31	3.4753	1540.469	119.084
2015/06/05	11:32:59	3.4997	1547.164	117.446
2015/06/05	11:34:31	3.5253	1552.334	115.664
2015/06/05	11:35:59	3.5497	1556.306	114.008
2015/06/05	11:37:31	3.5753	1555.788	112.442
2015/06/05	11:39:01	3.6003	1555.202	111.794
2015/06/05	11:40:31	3.6253	1554.877	111.596
2015/06/05	11:42:01	3.6503	1568.151	111.344
2015/06/05	11:43:31	3.6753	1574.640	109.436
2015/06/05	11:45:01	3.7003	1578.508	107.402
2015/06/05	11:46:29	3.7247	1572.701	106.106
2015/06/05	11:48:01	3.7503	1575.748	105.332
0.5 BBL/MIN				
2015/06/05	11:49:01	3.7669	1575.061	105.350
2015/06/05	11:49:29	3.7747	1574.798	105.404
2015/06/05	11:51:01	3.8003	1574.077	105.530
2015/06/05	11:52:29	3.8247	1573.438	105.422
2015/06/05	11:54:01	3.8503	1572.699	105.206
2015/06/05	11:55:31	3.8753	1572.028	105.026
2015/06/05	11:57:01	3.9003	1571.362	104.828
1.0 BBL/MIN				
2015/06/05	11:58:19	3.9219	1571.114	104.666
2015/06/05	11:58:29	3.9247	1571.098	104.648

Company Name	CCI
Well Name	LISBON D 716
Type of Test	STEP RATE TEST
Date(s) of Test	6/5/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/06/05	12:00:01	3.9503	1570.912	104.396
2015/06/05	12:01:29	3.9747	1571.013	104.144
2015/06/05	12:03:01	4.0003	1571.098	103.838
2015/06/05	12:04:29	4.0247	1571.214	103.568
2015/06/05	12:06:01	4.0503	1571.583	103.298
2015/06/05	12:07:29	4.0747	1571.812	103.010
2015/06/05	12:09:01	4.1003	1572.093	102.758
2015/06/05	12:10:31	4.1253	1572.335	102.524
2015/06/05	12:11:59	4.1497	1572.427	102.308
2015/06/05	12:13:31	4.1753	1572.715	102.128
2015/06/05	12:14:59	4.1997	1572.427	101.930
2015/06/05	12:16:31	4.2253	1571.450	101.804
1.5 BBL/MIN				
2015/06/05	12:17:01	4.2336	1571.445	101.768
2015/06/05	12:17:59	4.2497	1571.543	101.660
2015/06/05	12:19:31	4.2753	1571.891	101.444
2015/06/05	12:20:59	4.2997	1572.505	101.264
2015/06/05	12:22:31	4.3253	1573.072	101.048
2015/06/05	12:23:59	4.3497	1573.780	100.850
2015/06/05	12:25:29	4.3747	1574.559	100.652
2015/06/05	12:26:59	4.3997	1575.638	100.418
2015/06/05	12:28:31	4.4253	1576.612	100.130
2015/06/05	12:29:59	4.4497	1577.516	99.860
2015/06/05	12:31:31	4.4753	1578.517	99.644
2015/06/05	12:32:59	4.4997	1579.387	99.410
2015/06/05	12:34:31	4.5253	1580.217	99.194
2 BBL/MIN				
2015/06/05	12:36:01	4.5503	1581.004	98.996
2015/06/05	12:37:31	4.5753	1581.734	98.816
2015/06/05	12:39:01	4.6003	1582.552	98.636
2015/06/05	12:40:31	4.6253	1583.480	98.438
2015/06/05	12:41:59	4.6497	1584.395	98.222
2015/06/05	12:43:29	4.6747	1585.268	98.042
2015/06/05	12:45:01	4.7003	1586.004	97.844
2015/06/05	12:46:29	4.7247	1586.630	97.664
2015/06/05	12:48:01	4.7503	1587.280	97.520
2015/06/05	12:49:29	4.7747	1587.872	97.394
2015/06/05	12:51:01	4.8003	1588.490	97.232
2015/06/05	12:52:29	4.8247	1589.065	97.124
2015/06/05	12:54:01	4.8503	1589.622	97.034
2015/06/05	12:55:29	4.8747	1590.140	96.926
3 BBL/MIN				
2015/06/05	12:56:01	4.8836	1590.330	96.890
2015/06/05	12:57:01	4.9003	1590.656	96.818
2015/06/05	12:58:31	4.9253	1591.950	96.728
2015/06/05	13:00:01	4.9503	1594.616	96.494
2015/06/05	13:01:31	4.9753	1596.977	96.152
2015/06/05	13:03:01	5.0003	1599.072	95.810
2015/06/05	13:04:31	5.0253	1600.974	95.558
2015/06/05	13:06:01	5.0503	1602.745	95.360

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/06/05	13:07:31	5.0753	1604.336	95.162
2015/06/05	13:08:59	5.0997	1605.838	94.982
2015/06/05	13:10:31	5.1253	1607.330	94.820
2015/06/05	13:11:59	5.1497	1608.513	94.658
2015/06/05	13:13:31	5.1753	1609.900	94.514
2015/06/05	13:15:01	5.2003	1611.101	94.370
4 BBL/MIN				
2015/06/05	13:16:01	5.2169	1611.965	94.280
2015/06/05	13:16:31	5.2253	1612.389	94.244
2015/06/05	13:17:59	5.2497	1613.536	94.118
2015/06/05	13:19:31	5.2753	1614.659	93.992
2015/06/05	13:20:59	5.2997	1615.768	93.902
2015/06/05	13:22:29	5.3247	1616.791	93.794
2015/06/05	13:23:59	5.3497	1617.822	93.704
2015/06/05	13:25:31	5.3753	1618.924	93.632
2015/06/05	13:26:59	5.3997	1619.776	93.542
2015/06/05	13:28:31	5.4253	1620.733	93.470
2015/06/05	13:29:59	5.4497	1621.654	93.416
2015/06/05	13:31:29	5.4747	1622.466	93.344
2015/06/05	13:33:01	5.5003	1623.262	93.290
2015/06/05	13:34:29	5.5247	1624.266	93.254
5 BBL/MIN				
2015/06/05	13:36:01	5.5503	1624.919	93.200
2015/06/05	13:37:29	5.5747	1626.115	93.146
2015/06/05	13:38:59	5.5997	1626.621	93.110
2015/06/05	13:40:29	5.6247	1627.305	93.056
2015/06/05	13:42:01	5.6503	1627.822	93.020
2015/06/05	13:43:29	5.6747	1628.907	92.984
2015/06/05	13:45:01	5.7003	1633.576	92.894
2015/06/05	13:46:31	5.7253	1635.916	92.732
2015/06/05	13:48:01	5.7503	1637.724	92.678
2015/06/05	13:49:29	5.7747	1639.132	92.660
2015/06/05	13:51:01	5.8003	1641.028	92.660
2015/06/05	13:52:29	5.8247	1642.406	92.696
2015/06/05	13:54:01	5.8503	1643.792	92.714
2015/06/05	13:55:31	5.8753	1645.224	92.714
2015/06/05	13:57:01	5.9003	1646.329	92.714
2015/06/05	13:58:31	5.9253	1647.474	92.696
STOPPED PUMPING				
2015/06/05	13:59:29	5.9414	1648.373	92.696
2015/06/05	14:00:01	5.9503	1645.536	92.714
2015/06/05	14:01:31	5.9753	1642.690	92.750
2015/06/05	14:03:01	6.0003	1638.800	92.894
2015/06/05	14:04:31	6.0253	1632.423	93.110
2015/06/05	14:05:59	6.0497	1623.318	93.416
2015/06/05	14:07:31	6.0753	1612.614	93.794
2015/06/05	14:08:59	6.0997	1604.982	94.028
2015/06/05	14:10:31	6.1253	1598.648	94.370
2015/06/05	14:11:59	6.1497	1593.540	94.748
POOH Gradient: 8249.000 ft				

Company Name	CCI
Well Name	LISBON D 716
Type of Test	STEP RATE TEST
Date(s) of Test	6/5/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/06/05	14:13:29	6.1747	1588.986	95.144
2015/06/05	14:13:31	6.1753	1588.487	95.162
2015/06/05	14:14:59	6.1997	1460.875	97.538
POOH Gradient: 8000.000 ft				
2015/06/05	14:16:15	6.2208	1457.415	98.330
2015/06/05	14:16:31	6.2253	1391.765	98.528
2015/06/05	14:17:59	6.2497	1206.879	98.870
POOH Gradient: 7500.000 ft				
2015/06/05	14:19:15	6.2708	1204.367	99.086
2015/06/05	14:19:29	6.2747	1143.849	99.140
2015/06/05	14:21:01	6.3003	954.975	97.736
POOH Gradient: 7000.000 ft				
2015/06/05	14:22:15	6.3208	953.044	97.772
2015/06/05	14:22:31	6.3253	880.434	97.844
2015/06/05	14:24:01	6.3503	703.198	96.872
POOH Gradient: 6500.000 ft				
2015/06/05	14:25:15	6.3708	701.874	96.800
2015/06/05	14:25:31	6.3753	629.779	96.782
2015/06/05	14:27:01	6.4003	454.026	95.900
2015/06/05	14:28:29	6.4247	453.002	96.044
POOH Gradient: 6000.000 ft				
2015/06/05	14:28:33	6.4258	452.909	96.044
2015/06/05	14:30:01	6.4503	205.037	93.182
POOH Gradient: 5500.000 ft				
2015/06/05	14:31:13	6.4703	204.680	93.002
2015/06/05	14:31:29	6.4747	125.384	93.074
2015/06/05	14:33:01	6.5003	0.000	90.320
POOH Gradient: 5000.000 ft				
2015/06/05	14:33:45	6.5125	0.000	89.870
2015/06/05	14:34:29	6.5247	0.000	89.204
2015/06/05	14:35:59	6.5497	0.000	88.664
POOH Gradient: 4500.000 ft				
2015/06/05	14:36:29	6.5581	0.000	88.556
2015/06/05	14:37:29	6.5747	0.000	87.998
2015/06/05	14:39:01	6.6003	0.000	87.674
POOH Gradient: 4000.000 ft				
2015/06/05	14:39:27	6.6075	0.000	87.638
2015/06/05	14:40:29	6.6247	0.000	86.630
POOH Gradient: 3500.000 ft				
2015/06/05	14:41:37	6.6436	0.000	86.126
2015/06/05	14:42:01	6.6503	0.000	85.766
2015/06/05	14:43:29	6.6747	0.000	84.758
POOH Gradient: 3000.000 ft				
2015/06/05	14:44:25	6.6903	0.000	84.506
2015/06/05	14:45:01	6.7003	0.000	83.876
2015/06/05	14:46:29	6.7247	0.000	81.914
POOH Gradient: 2500.000 ft				
2015/06/05	14:47:47	6.7464	0.000	81.230
2015/06/05	14:48:01	6.7503	0.000	80.960
2015/06/05	14:49:29	6.7747	0.000	79.592

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
POOH Gradient: 2000.000 ft				
2015/06/05	14:50:51	6.7975	0.000	78.998
2015/06/05	14:51:01	6.8003	0.000	78.818
2015/06/05	14:52:31	6.8253	0.000	77.558
POOH Gradient: 1500.000 ft				
2015/06/05	14:53:47	6.8464	0.000	77.090
2015/06/05	14:53:59	6.8497	0.000	76.874
2015/06/05	14:55:31	6.8753	0.000	76.154
POOH Gradient: 1000.000 ft				
2015/06/05	14:56:45	6.8958	0.000	75.020
2015/06/05	14:56:59	6.8997	0.000	74.804
2015/06/05	14:58:31	6.9253	0.000	74.156
POOH Gradient: 500.000 ft				
2015/06/05	14:58:57	6.9325	0.000	73.958
2015/06/05	14:59:59	6.9497	0.000	73.724
2015/06/05	15:01:31	6.9753	0.000	72.752
POOH Gradient: 0.000 ft				
2015/06/05	15:01:45	6.9792	0.000	72.518
2015/06/05	15:02:59	6.9997	0.763	71.744
2015/06/05	15:04:31	7.0253	0.566	70.034

MinFrac

Minifrac Analysis Simulator

2130 Freeport Rd, Suite C, Natrona Heights, PA 15065 USA
MinFrac version 5.90.2272 (64-bit)
http://www.mfrac.com/

Company:	Castleton Commodities LLC
Well:	Lisbon Unit D-716
Location:	San Juan Basin, Utah
Date:	6/9/2015

Comments:

The data, in short, shows that there is not enough pressure generated to extend a fracture.

Step Rate Analysis - Bottomhole

Extension Pressure	949.787	psi
Extension Gradient	0.189957	psi/ft
Specific Gravity of Fluid	1.011	

Perforations

Number of perforations	234	
Perforation Discharge Coefficient	0.6	
Perforation Diameter	0.4	in.

Pressure Table

Rate (bpm)	Bottomhole Pressure (psi)	ΔP Fric (psi)	ΔP Frac (psi)	ΔP Perf Ideal (psi)	Extension Pressure (psi)
1	1571.9	131	0	0.0039608	1440.9
1.5	1575.6	270	0	0.0089117	1305.6
2	1586.2	452	0	0.015843	1134.2
3	1596.2	936	0	0.035647	660.17
4	1616.9	1572	0	0.063372	44.847
5	1626.8	2353	0	0.099019	-726.33

Steve Campbell (
* Ops Mng

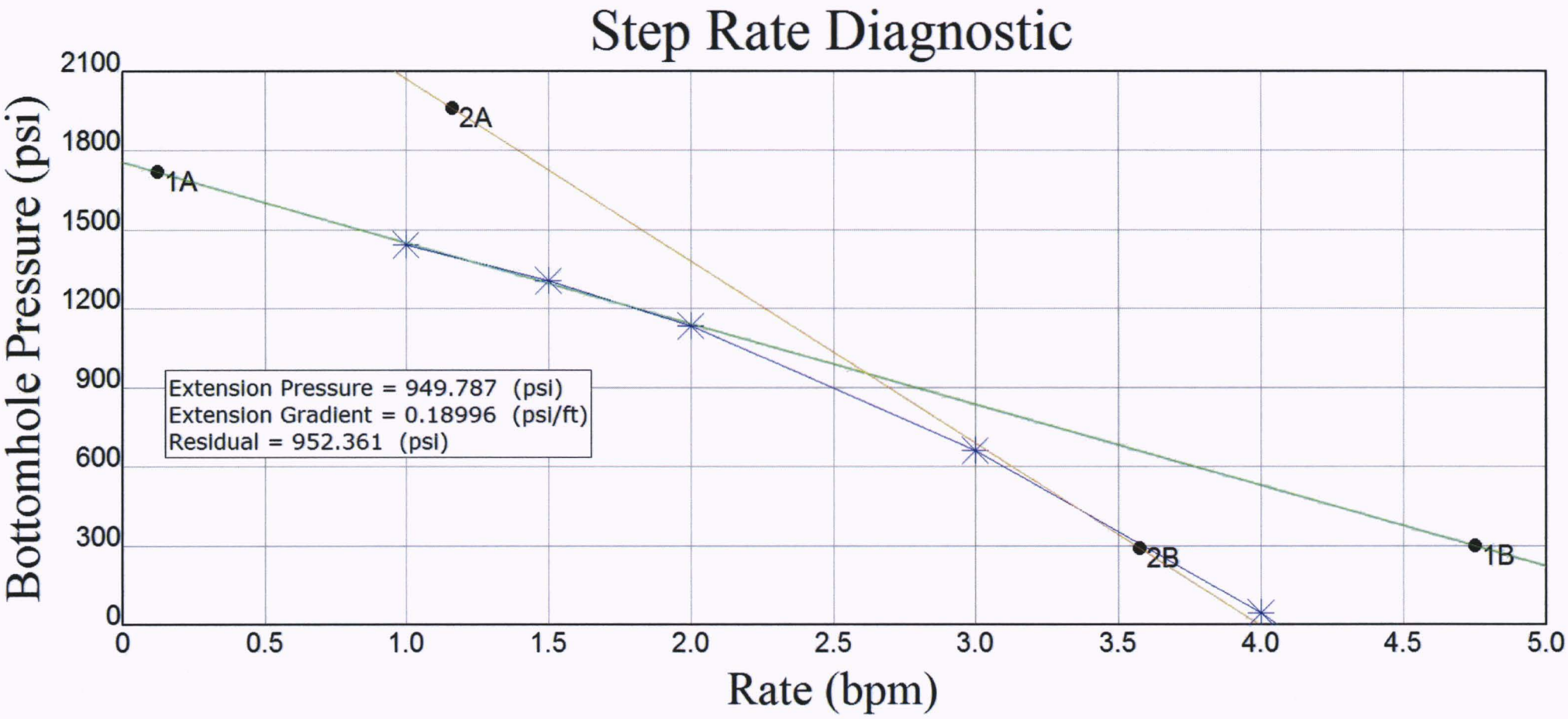
STEP RATE ANALYSIS

CCI
Lisbon D-716
MinFrac Report

Date June 9, 2015
Farmington, NM
505-215-5744

BAKER HUGHES

Pressure Pumping


Step Rate Diagnostic
Bottomhole Pressure (psi)
2100
1800
1500
1200
900
600
300
0
0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
Rate (bpm)
1A
2A
2B
1B
Extension Pressure = 949.787 (psi)
Extension Gradient = 0.18996 (psi/ft)
Residual = 952.361 (psi)

Disclaimer Notice

Baker Hughes personnel will use good faith at all times in interpreting information, making recommendations, (either written, or oral) as to the type or amount of products, equipment or services to be furnished, the manner of performance, or in predicting results to be obtained. The recommendation and projections given are estimates based on calculations produced by a computer model including various assumptions regarding the well, reservoir and treatment. Due to the uncertainty of variable well conditions and the necessity of relying on facts and supporting services provided by the Customer and its other contractors, Baker Hughes hereby disclaims the accuracy of any chart interpretation, research, analysis, job recommendation or other data furnished by Baker Hughes. Such data shall include the attached report, any similar information provided electronically and any data generated through real-time monitoring. NO WARRANTY IS GIVEN CONCERNING THE EFFECTIVENESS OF THE PRODUCTS OR EQUIPMENT USED, RECOMMENDATIONS GIVEN OR SERVICES RENDERED. NO WARRANTIES, EXPRESS OR IMPLIED ARE MADE AND ALL SUCH WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABLITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY EXCLUDED AND DISCLAIMED BY BAKER HUGHES.

1770 S. 5600 W.
WEST VALLEY CITY, UTAH 84118
FED.TAX I.D.# 87-0217663
801-204-6910

The Salt Lake Tribune
MEDIAOne of Utah
Deseret News

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, Rose Nolton 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	1/14/2015

RECEIVED
JAN 20 2015
DIV. OF OIL, GAS & MINING

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER# / INVOICE NUMBER
8015385340	0001005303 /
SCHEDULE	
Start 01/14/2015	End 01/14/2015
CUST. REF. NO.	
20150112	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NAT	
SIZE	
56 Lines	2.00 COLUMN
TIMES	RATE
3	
MISC. CHARGES	AD CHARGES
	TOTAL COST
	193.16

43-037-31034

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC - 429.1

IN THE MATTER OF THE APPLICATION OF CCI PARADOX UPSTREAM, LLC FOR ADMINISTRATIVE APPROVAL OF THE LISBON UNIT D-716 DISPOSAL WELL LOCATED IN SECTION 16, TOWNSHIP 30S, RANGE 24E, SAN JUAN COUNTY, UTAH, AS A CLASS II INJECTION WELL.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of CCI Paradox Upstream, LLC for administrative approval of the Lisbon Unit D-716 well, located in SE/4 NE/4, Section 16, Township 30S, Range 24E, Salt Lake Meridian, San Juan County, Utah, API 43-037-31034, for conversion to a Class II injection well. The adjudicative proceedings will be conducted informally according to Utah Admin. Rule R649-10, Administrative Procedures. CCI Paradox Upstream, LLC is located at 600 17th Street, Ste 1900S, Denver, CO 80202, phone 303-728-2222.

Selective zones in the Leadville Limestone will be used for waste gas re-injection. The operator proposes to inject a gas mixture of water, CO2 and H2S at a maximum requested injection pressure of 1,650 psia and injection rate of 2,000 BPD. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by CCI Paradox Upstream, LLC.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, Utah 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedure rule. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 12th day of January, 2015.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill
Permitting Manager

1005303 UPAXLP

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC - 429.1 IN THE MATTER OF THE APP** FOR **DIV OF OIL-GAS & MINING,** WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINATELY. COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101; 46-3-104.

PUBLISHED ON Start 01/14/2015 End 01/14/2015

SIGNATURE

DATE 1/14/2015

VIRGINIA CRAFT
NOTARY PUBLIC - STATE OF UTAH
My Comm. Exp. 01/12/2018
Commission # 672963

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT

NOTARY SIGNATURE

Proof of Publication

RECEIVED
FEB 02 2015
DIV. OF OIL, GAS & MINING

STATE OF UTAH,)
) ss.
County of Grand,)

Zane W. Taylor, being first duly sworn according to law, deposes and says: That he is the pubisher of The Times-Independent, a weekly newspaper of general circulation, published every Thursday at Moab, Grand County, State of Utah, and a designated agent of the Utah Press Association; that the notice attached hereto and which is a copy of a

Utah Division of Oil Gas & Mining
Agency Action

which is made a part of this Affidavit of Publication, was published in said newspaper for a period of 1 consecutive issues, the first publication date having been made

January 15, 2015

; and the last on

; and the said notice was published in each and every copy of said newspaper during the period and time of publication, and that it was published in the newspaper proper and not in a supplement thereof, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com throughout the period and time of print publication.

Publisher

Subscribed and sworn before me this

Notary Public
Residing in Moab, Utah

My Commission Expires

RHIANA NOEL MEDINA
Notary Public State of Utah
My Commission Expires on:
February 2, 2015
Comm. Number: 605837

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

NOTICE OF AGENCY ACTION CAUSE NO. UIC-429.1

IN THE MATTER OF THE APPLICATION OF CCI PARADOX UPSTREAM, LLC FOR ADMINISTRATIVE APPROVAL OF THE LISBON UNIT D-716 DISPOSAL WELL LOCATED IN SECTION 16, TOWNSHIP 30S, RANGE 24E, SAN JUAN COUNTY, UTAH, AS A CLASS II INJECTION WELL.

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Dated this 12th day of January, 2015.

STATE OF UTAH
DIVISION OF OIL,
GAS & MINING
/s/ Brad Hill
Permitting Manager

Published in The Times-Independent, Moab, Utah January 15, 2015.

43-037-31034
16 30S 24E

Public notice

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC – 429.1

IN THE MATTER OF THE APPLICATION OF CCI PARADOX UPSTREAM, LLC FOR ADMINISTRATIVE APPROVAL OF THE LISBON UNIT D-716 DISPOSAL WELL LOCATED IN SECTION 16, TOWNSHIP 30S, RANGE 24E, SAN JUAN COUNTY, UTAH, AS A CLASS II INJECTION WELL.

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Dated this 12th day of January, 2015.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill
Permitting Manager

Published January 21, 2015 in the *San Juan Record*, Monticello, Utah.

AFFIDAVIT OF PUBLICATION

I, William Webster Boyle, being duly sworn, depose and say that I am the publisher of **The San Juan Record**, a weekly newspaper of general circulation published at Monticello, Utah every Wednesday; Before the Division of Oil, Gas and Mining Notice of Agency Action, was published in the regular and entire issue of each number of said newspapers for one issue, January 21, 2015. Said notice was also published on Utahlegals.com through the same timeframe.

Bill Boyle

Bill Boyle, Publisher

Subscribed and sworn to before me this 21 day of January A.D. 2015.

Jill C. Slack

Notary Public residing at Monticello, Utah
My commission expires February 7, 2015

Notary Public
JILL C. SLACK
Commission #6[illegible]
My Commission Expires
February 07, 2015
State of Utah

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-13692

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.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: LISBON

1. TYPE OF WELL Water Disposal Well

8. WELL NAME and NUMBER: LISBON UNIT D-716

2. NAME OF OPERATOR: CCI PARADOX UPSTREAM, LLC

9. API NUMBER: 43037310340000

3. ADDRESS OF OPERATOR: 811 Main Street, Suite 3500 , Houston, TX, 77002

PHONE NUMBER: 281 714-2949 Ext

9. FIELD and POOL or WILDCAT: LISBON

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2240 FNL 1325 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 16 Township: 30.0S Range: 24.0E Meridian: S

COUNTY: SAN JUAN

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 6/11/2015	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER:

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

The above referenced well was put on injection on 06/11/15.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
February 03, 2016

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Chrissy Schaffner	281-714-2966	Regulatory Specialist
SIGNATURE N/A		**DATE** 2/1/2016