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

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO: Fee
6. SURFACE: Fee

1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐

7. IF INDIAN, ALLOTTEE OR TRIBE NAME:

B. TYPE OF WELL: OIL ☑ GAS ☐ OTHER _____ SINGLE ZONE ☑ MULTIPLE ZONE ☐

8. UNIT or CA AGREEMENT NAME:

2. NAME OF OPERATOR: El Paso E&P Company, L.P. c/o H&B Petroleum Consultants

9. WELL NAME and NUMBER: Brotherson 3-11B4

3. ADDRESS OF OPERATOR: 291 Daffodil CITY Casper STATE Wy ZIP 82604
PHONE NUMBER: (307) 237-9310

10. FIELD AND POOL, OR WILDCAT: Altomont/BlueBell 55

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1316'FNL & 785'FWL 558659X 40.325802
AT PROPOSED PRODUCING ZONE: 4463937Y -110.309525

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 11 T2S R4W

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 7.46 miles southwest of Altamont, Urah

12. COUNTY: Duchesne
13. STATE: UTAH

15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET): 785
16. NUMBER OF ACRES IN LEASE: 640
17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 640

18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): 2600
19. PROPOSED DEPTH: 14,150
20. BOND DESCRIPTION: 400JU0708

21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 6202 ungraded ground
22. APPROXIMATE DATE WORK WILL START: Upon Approval
23. ESTIMATED DURATION: 56 Days

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
17 1/2	13 3/8	J-55		600	Class G 400 sx	1.15cuft/sx	15.6 lb/gal
12 1/4	9 5/8"	N-80	40 lb	5,200	Lead:Prem Lite 580 sx	3.2cu/ft/sx	11 lb/gal
					Tail: Class G 160 sx	1.25 cuft/sx	14.4 lb/gal
8 3/4	7"	HCP 110	29 lb	10,900	Class G 620 sx	1.65 cuft/sx	12.49 lb/gal
					Tail: Class G 60 sx	1.62cuft/sx	14.1 lb.gal
6 1/8	4 1/2"	P110 ~~HCP 110~~	15.116 ~~13.5~~ lb	10,700 ~~13,600~~	Class G 200 sx	1.86 cuft/sx	14.5 lb/gal
	Liner			14150			

25. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
☑ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
☑ COMPLETE DRILLING PLAN
☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Larry D. Brown TITLE Agent for El Paso E&P Company, L.P.

SIGNATURE Larry D Brown DATE 2-15-08

(This space for State use only)

CONFIDENTIAL

API NUMBER ASSIGNED: 43-013-33904

APPROVAL: Approved by the Utah Division of Oil, Gas and Mining

RECEIVED
FEB 19 2008
DIV. OF OIL, GAS & MINING

(11/2001)

(See Instructions on Reverse Side)

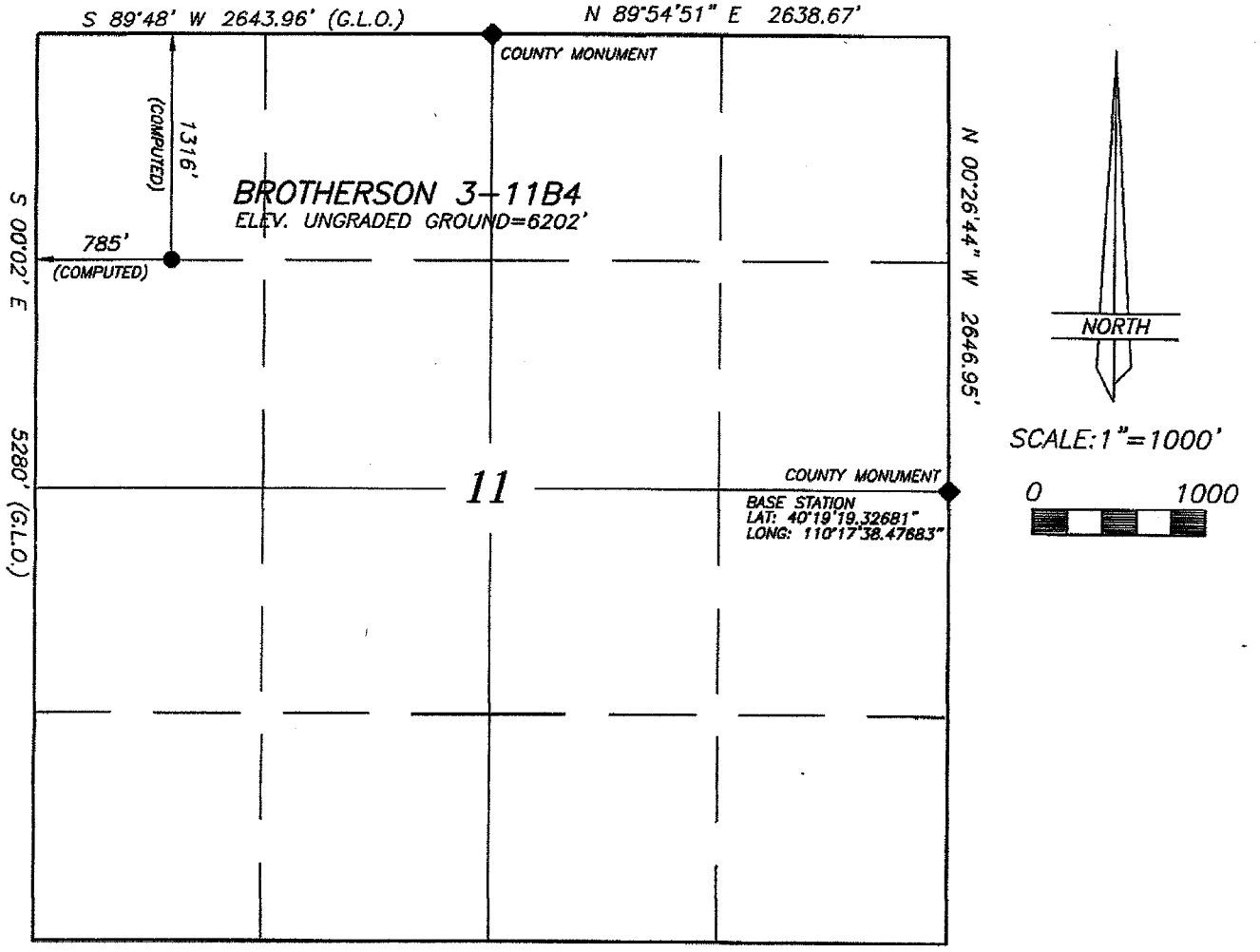
Date: 04-15-08
By: [illegible]

EL PASO E & P COMPANY, L.P.

WELL LOCATION

BROTHERSON 3-11B4

LOCATED IN THE NW¼ OF THE NW¼ OF SECTION 11, T2S, R4W, U.S.B.&M. DUCHESNE COUNTY, UTAH



LEGEND AND NOTES

◆ CORNER MONUMENTS FOUND AND USED BY THIS SURVEY

THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS AS WAS THE U.S.G.S. MAP

THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT

BASIS OF BEARINGS: G.P.S. OBSERVATION WITH BASE STATION AS INDICATED

BASIS OF ELEVATIONS: NAVD 88 DATUM USING THE POST PROCESSED GPS ELEVATION AT THE BASE STATION OF 6152.70

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM THE FIELD NOTES AND ELECTRONIC DATA COLLECTOR FILES OF AN ACTUAL SURVEY PERFORMED BY ME OR UNDER MY PERSONAL SUPERVISION, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR REESTABLISHED.

JERRY D. ALLRED, REGISTERED LAND SURVEYOR, CERTIFICATE NO. 148951 (UTAH)

LICENSED LAND SURVEYOR No. 148951 JERRY D. ALLRED STATE OF UTAH

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
121 NORTH CENTER ST.--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

31 JAN 2008 01-128-037

Brotherson 3-11B4
NWNW Sec. 11, T2S, R4W
DUCHESNE COUNTY, UT
FEE

EL PASO E&P COMPANY, L.P.

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers**

Formation	Depth
Green River	5,235'
Mahogany Bench	7,852'
L. Green River	9,335'
Wasatch	10,786'
TD	14,150

2. **Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations:**

Substance	Formation	Depth
	Green River	5,235'
	Mahogany Bench	7,852'
Oil	L. Green River	9,335'
Oil	Wasatch	10,786'

3. **Pressure Control Equipment:** (Schematic Attached)

A 5.0" by 20.0" rotating head w/shut-off valve to E.P. ~~on~~ structural pipe from surface to 600'. A 5.0" by 13 3/8" Smith Rotating Head from 600' to 5,200' on Conductor. A 5M BOP stack, 5M kill lines and choke manifold used from 5,200' to 10,900". An 11.0", 10M BOE w/rotating head, 5M annular, blind rams & mud cross from 10,900' to 14,150'.
The BOPE and related equipment will meet the requirements of the 5M and 10M system.

OPERATORS MINIMUM SPECIFIC FOR BOPE:

The surface casing will be equipped with a flanged casing head of 5M PSI working pressure. We will NU an 11.0" 5M BOP, 5M Annular. This equipment will be nippled up on the surface casing and tested to 250 psi low test/5M psi high test prior to drilling out. The surface casing will be tested to 1500 psi.

Intermediate casing will be tested to the greater of 1500 psi or .22 psi/ft. The choke manifold equipment, upper Kelly cock, floor safety valves will be tested to 5M psi. The annular preventor will be tested to 250 psi low lest and 2500 psi high test or 50% of rated working pressure. A 10M BOP installed with 5M annular with 3 ½" rams, blind rams, mud cross and rotating head from intermediate shoe to TD. The BOPE will be hydraulically operated.

In addition, the BOP equipment will be tested after running intermediate casing, after any repairs to the equipment and at least once every 30 days. Pipe and blind rams will be activated on each trip, annular preventor will be activated weekly and weekly BOP drills will be held with each crew.

Statement on Accumulator System and Location of Hydraulic Controls:

Frontier #11 will be used at the proposed location. Operations will commence after approval of this application. Manual and/or hydraulic controls will be in compliance for 5M and 10M psi systems.

Auxiliary Equipment:

A) Mud logger with gas monitor –5,200' to TD
B) Choke manifold with one manual and one hydraulic operated choke
C) Full opening floor valve with drill pipe thread
D) Upper and lower Kelly cock
E) Shake, desander, desilter and mud cleaner.

4. **Proposed Casing & Cementing Program:**

Hole Size	Size	Grade	Thread	Weight	Setting Depth
17 1/2	13 3/8	J-55	LTC	54.5 lb/ft	600
12 ¼"	9 5/8"	N-80	LTC	40 lb/ft	5,200
8 ¾"	7 "	HCP 110	LTC	29 lb/ft	10,900
6 1/8"	4 ½"	~~HCP110~~ P-110	LTC	~~13.5~~ 15.1 lb/ft	14,150

see diagram & drilling program sheets

Conductor: 400 sacks Class G. 15.6 lb/gal, yield 1.15 cuft/sx, w 3% $CaCl_2$

Surface Cement: : Lead 580 sacks Premium Lite II 11 lb/gal, yield 3.2 cuft/sx, Plus 2%CaCl2 0.3%FL52 0.5% Sodium Metasilicate
Tail: 160 sacks Class G 14.4 lb/gal, yield 1.25 cuft/sx, 50:50 poz 2% CaCl2 2% gel 0.3% Sodium Metasilcate

Production Cement: Lead 620 sacks CemCRETE Blend 12.49 lb/gal, yield 1.65 cuft/sx, 55.9/44.1 (D961/D124) +0.2%bwob D65 +0.2%bwob D46 +0.4% bwob D13 + 0.2% bwib D167

Tail: 60 sacks 10.0 RFC (Class G) 14.1 lb/gal, yield 1.62

Liner: 200 sacks Well Bond Slurry 14.5 lb/gal, yield 1.86, Class G + 35% D66 + 1.6 gps D600G + 0.05 gps D80 + + 0.3% D167 +0.2% D46 + 0.4% D600 + 1% D20

5. **Drilling Fluids Program:**

Proposed Mud Program:

Interval	Type	Mud Weight
Surface	WBM	8.4 – 8.9
Intermediate	WBM	8.4 – 10.0
Production	WBM	10.0 – 14.5

Anticipated mud weights are based on actual offset well bottom-hole pressure data. Mud weights utilized may be somewhat higher to allow for tip margin and to provide hole stability for running logs and casing.

Visual mud monitoring equipment will be utilized.

6. **Evaluation Program**:

GR, Density, Neutron, Res/ 10900 to 6400
GR to Surface
GR, Density, Neutron, Res, Sonic: TD to Intermediate Casing

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 14,150' TD equals approximately 9,565 psi (calculated at 0.6760 psi/foot).

Maximum anticipated surface pressure equals approximately 6,202 (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

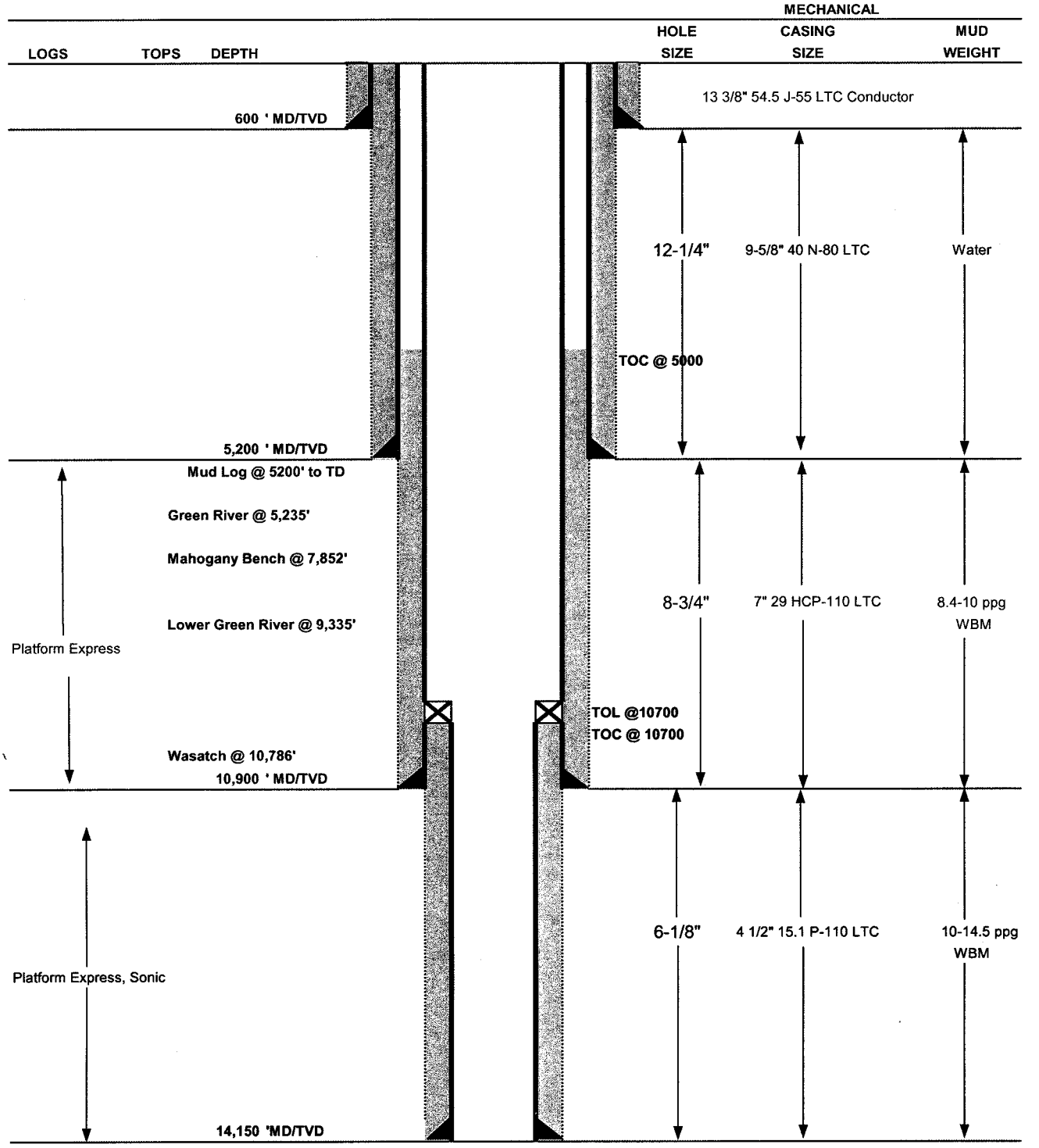
8. **OPERATOR REQUESTS THAT THE PROPOSED WELL BE PLACED ON CONFIDENTIAL STATUS.**

elpaso Production

Drilling Schematic

Company Name:	El Paso Exploration & Production	**Date:**	February 5, 2008
Well Name:	Brotherson 3-11B4	**TD:**	14,150
Field, County, State:	Altamont - Bluebell, Duchesne, Utah	**AFE #:**	
Surface Location:	1,320' FNL, 780' FEL, SEC. 11, T2S, R4W	**BHL:**	Straight Hole
Objective Zone(s):	Green River, Wasatch	**Elevation:**	6205
Rig:	Frontier #11	**Spud (est.):**	

BOPE Info: 5.0 x 13 3/8 rotating head from surface to 5200 11 5M BOP stack and 5M kill lines and choke manifold used from 5200 to 10900 & 11 10M BOE w/rotating head, 5M annular, 3.5 rams, blind rams & mud cross from 10900 to TD



DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	13 3/8"	0' - 600	54.5	J-55	LTC	2,730 21.45	1,140 9.66	1,399M 7.51
SURFACE	9-5/8"	0' - 5200	40.00	N-80	LTC	5,750 1.97	3,530 1.45	606,000 1.97
INTERMEDIATE	7"	0' - 10900	29.00	HCP-110	LTC	11,220 1.94	9,200 1.62	681,000 1.64
PRODUCTION LINER	4 1/2"	10700' - 14150	15.1	P-110	LTC	14,420 1.90	14,350 1.35	406,000 2.72

CEMENT PROGRAM		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
CONDUCTOR		600	Class G + 3% CACL2	400	10%	15.6 ppg	1.15
SURFACE	Stage 1: Lead	4,700	Premium Lite II Plus, 2% CaCl2 0.3% FL52 0.5% Sodium Metasilicate	580	25%	11.0 ppg	3.2
	Tail	500	Class G 50:50 poz, 2% CaCl2, 2% gel 0.3% sodium metasilicate	160	25%	14.4 ppg	1.25
INTERMEDIATE	Lead	5,400	CemCRETE Blend 55.9/44.1 (D961/D124) + 0.2 %bwob D65 + 0.2 %bwob D46 + 0.4 %bwob D13 + 0.2 %bwob D167	620	25%	12.49 ppg	1.65
	Tail	500	10:0 RFC (Class G)	60	25%	14.1 ppg	1.62
PRODUCTION LINER		3,450	WellBond Slurry Class G + 35% D66 + 1.6 gps D600G + 0.05 gps D80 + 0.3% D167 + 0.2% D46 + 0.4% D800 + 1% D20	200	10%	14.5 ppg	1.86

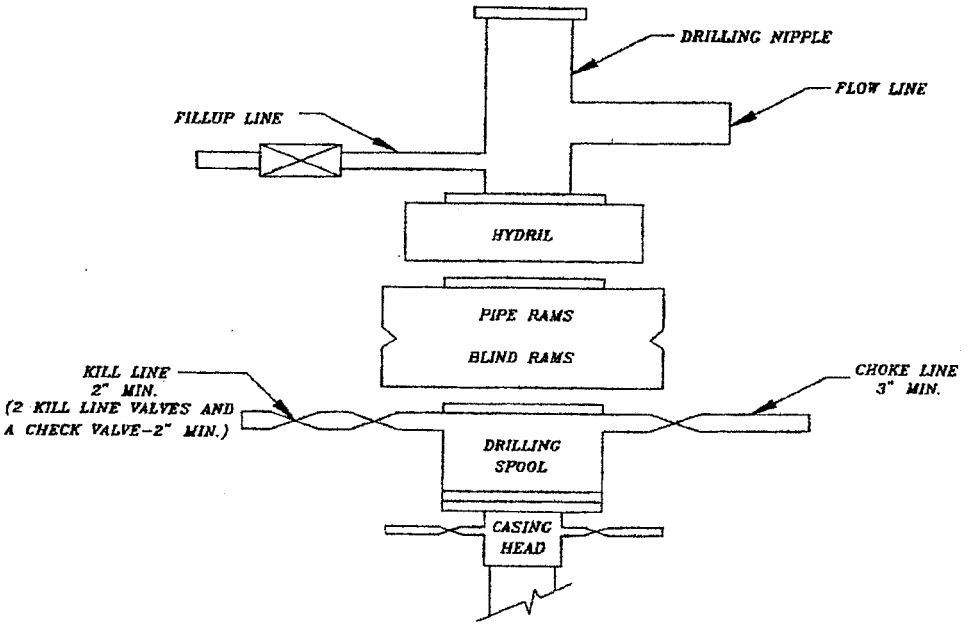
FLOAT EQUIPMENT & CENTRALIZERS

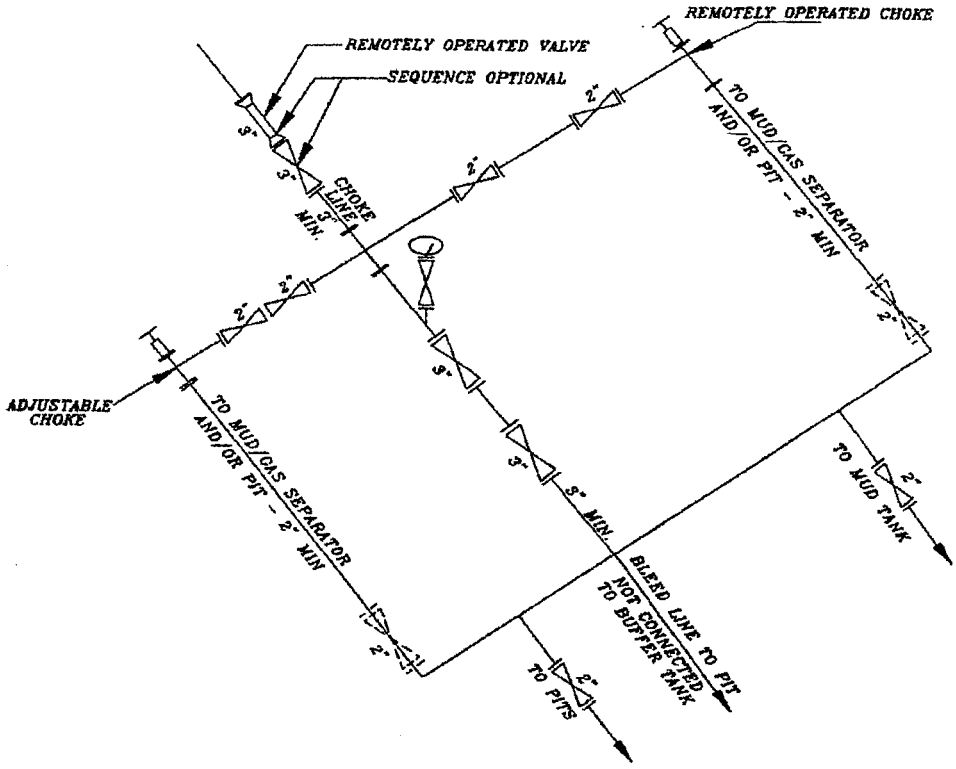
CONDUCTOR	PDC drillable guide shoe, 1 joint, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing.
SURFACE	PDC drillable guide shoe, 1 joint casing, PDC drillable float collar & Stage collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing & every 3rd joint thereafter.
INTERMEDIATE	PDC drillable 10M,P-110 float shoe, 1 joint, PDC drillable 10M, P-110 float collar. Thread lock all float equipment. Install 2 bow spring centralizers every 3rd joint.
LINER	Float shoe, 1 joint, float collar. Rigid centralizer every other joint. Thread lock all FE

PROJECT ENGINEER(S): Alex Erhardt

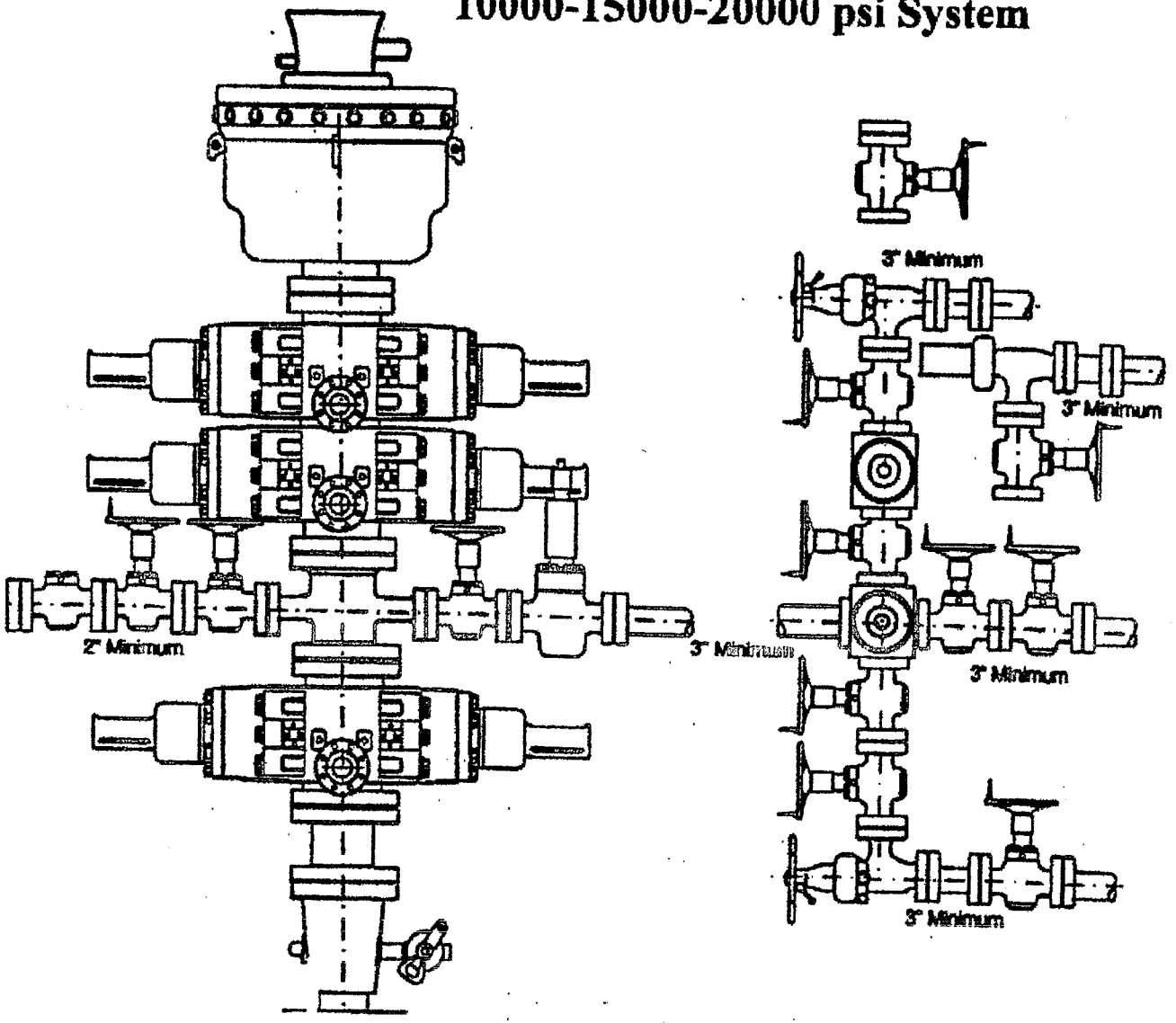
MANAGER: Frank Seidel

5M BOP STACK and CHOKE MANIFOLD SYSTEM





10000-15000-20000 psi System



Brotherson 3-11B4
NWNW Sec. 11, T2S, R4W
DUCHESNE COUNTY, UT
FEE

EL PASO E&P COMPANY, L.P.

Related Surface Information

1) **CURRENT SURFACE USE:** Livestock Grazing and Oil and Gas Production.

2) **PROPOSED SURFACE DISTURBANCE:**
   a) The road will be crown and ditch. Water wings will be constructed on the access road as needed.
   b) The topsoil will be windrowed and respread in the borrow area.
   c) New road to be constructed will be approximately .72 miles in length, 25 feet wide.
   d) All equipment and vehicles will be confined to the access road, pad and area specified in the APD.

3) **LOCATION OF EXISTING WELLS:**
   Existing oil, gas and water wells within one (1) mile radius of proposed well are provided in EXHIBIT C.

   Water for drilling will be obtained from Dalbo Inc's underground well located in Ouray, Utah Sec 32 T4S R3E, Water Use Claim #43-8496

4) **EXISTING/PROPOSED FACILITIES FOR PRODUCTIVE WELL:**
   a) There are no existing facilities that will be utilized for this well.
   b) The pipeline will be constructed as shown on Exhibit C. Rehabilitation of unneeded, previously disturbed areas will consist of backfilling and contouring the reserve pit area; backsloping and contouring all cut and fill slopes. These areas will be reseeded. Refer to plans for reclamation of surface for details.
   c) Upgrade and maintain access roads and drainage control structures (e.g., culverts, drainage dips, ditching, etc.) as necessary to prevent soil erosion and accommodate safe, year-round traffic.

5) **CONSTRUCTION MATERIALS:**
   Native soil from road and location will be used for construction materials along with gravel and/or scoria road base material. In the event that conditions should necessitate graveling of all or part of the access road and location, surfacing materials will be purchased from commercial suppliers in the marketing area.

6) METHODS FOR HANDLING WASTE DISPOSAL:

a) The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of ½ the total depth below the original ground surface on the lowest point within the pit. The pit will be lined with a 9-mil polyethylene to prevent leakage of fluids. The liner will be rolled into place and secured at the ends, i.e. buried on top of the pit berms. Prior to use, the reserve pit will be fenced on three sides; the fourth side will be fenced at the time the rig is removed. Drilling fluids, cuttings and produced water will be contained in the reserve pit (trash will be placed in the trash cage). Fluids in the reserve pit will be allowed to evaporate prior to pit burial.

b) Garbage and other trash will be contained in a portable trash cage and hauled off the location to an authorized disposal site. Any trash on the pad will be cleaned up prior to the rig move off location and hauled to an authorized disposal site.

c) Sewage will be handled in Portable Toilets.

d) Produced water will be placed in the reserve pit for a period not to exceed ninety days after initial production. Any hydrocarbons produced during completion work will be contained in test tanks and removed from location at a later date.

e) Water from the reserve pit may be used for drilling of additional wells. The water will be trucked along access roads as approved in pertinent APD's.

7) ANCILLARY FACILITIES:

There will be no ancillary facilities associated with this project.

8) SURFACE RECLAMATION PLANS:

Backfilling of the pits will be done when dry. In the event of a dry hole, the location will be re-contoured, the topsoil will be distributed evenly over the entire location, and the seedbed prepared

a) Seed will be planted after September 15th, and prior to ground frost, or seed will be planted after the frost has left and before May 15th. Slopes to steep for machinery will be hand broadcast and raked with twice the specified amount of seed.

1. The construction program and design are on the attached cut, fill and cross sectional diagrams.
2. Prior to construction, all topsoil will be removed from the entire site and stockpiled. Topsoil for this site is the first 6 inches of soil materials.
3. After the location has been reshaped and after redistributing the topsoil, the operator will rip and scarify the drilling platform and access road on the contour, to a depth of at least 12 inches.

b) Rehabilitation will begin upon the completion of the drilling. Complete rehabilitation will depend on weather conditions and the amount of time required to dry the reserve pit.

2. All rehabilitation work including seeding will be completed as soon as weather and the reserve pit conditions are appropriate.
3. Landowner will be contacted for rehabilitation requirements.

9) SURFACE OWNERSHIP:

Surface use agreement has been reached. An Affidavit of Surface Damage Agreement is attached.

Brent Brotherson
Lake Fork Ranch Inc.
HC 65 Box 510048
Mountain Home, Utah 84501-9801
Home 435-454-3546
Work 435-454-3314

10) OTHER INFORMATION:

a) The surface soil consists of clay, and silt.
b) Flora - vegetation consists of the following: Sagebrush, Juniper and prarie grasses.
c) Fauna - antelope, deer, coyotes, raptors, small mammals, and domestic grazing animals.
d) Current surface uses – Livestock grazing and mineral exploration and production.

AFFIDAVIT OF SURFACE DAMAGE AGREEMENT

Laura Smith personally appeared before me, and, being duly sworn, deposes and says:

1. My name is Laura Smith. I am a Sr. Staff Landman for El Paso E&P Company, L.P., whose address is 1099 18th Street, Suite 1900, Denver, Colorado 80202 ("El Paso").

2. El Paso is the Operator of the proposed Brotherson 3-11B4 well to be located in NW/4 of Section 11, Township 2 South, Range 4 West, Duchesne County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is the Lake Fork Ranch, Inc., HC 65 Box 510048, Mountain Home, Utah 84501-9801 (the "Surface Owner"). Mr. Brent Brotherson is the President and Ms. Donna Brotherson is the Secretary of the Lake Fork Ranch, Inc.

3. El Paso and the Surface Owner have agreed upon a damage settlement and release agreement covering the Drillsite Location and access to the Drillsite Location.

FURTHER AFFIANT SAYETH NOT.

Laura Smith

Laura Smith

ACKNOWLEDGEMENT

STATE OF COLORADO §
CITY AND §
COUNTY OF DENVER §

Before me, a Notary Public, in and for this state, on this 15th day of February, 2008 personally appeared Laura Smith, to me known to be the identical person who executed the within and foregoing instrument, and acknowledged to me that she executed the same as her own free and voluntary act and deed for the uses and purposes therein set forth.

Ranae L. Johnson

NOTARY PUBLIC:

My Commission Expires:

RANAE L. JOHNSON
NOTARY PUBLIC
STATE OF COLORADO

My Commission Expires 09/26/2010

EL PASO E & P COMPANY, L.P.

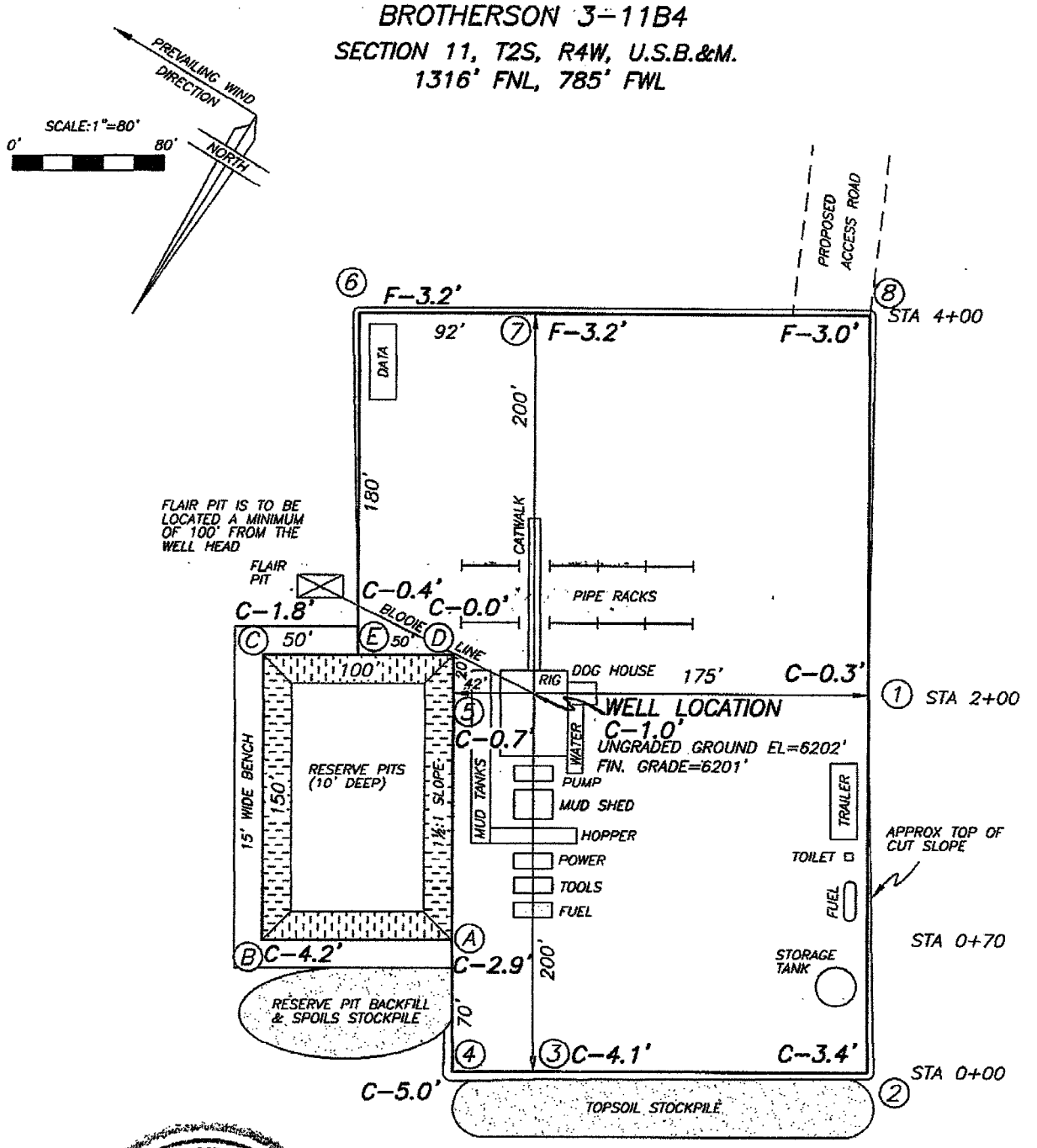
FIGURE #1

LOCATION LAYOUT FOR

BROTHERSON 3-11B4

SECTION 11, T2S, R4W, U.S.B.&M.

1316' FNL, 785' FWL



LICENSED LAND SURVEYOR No. 148951 JERRY D. ALLRED 1 Feb '08 STATE OF UTAH

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
121 NORTH CENTER ST.--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

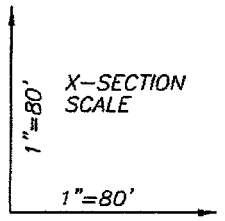
31 JAN 2008 01-128-037

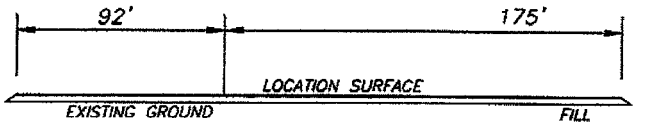
EL PASO E & P COMPANY, L.P.

FIGURE #2

LOCATION LAYOUT FOR
BROTHERSON 3-11B4

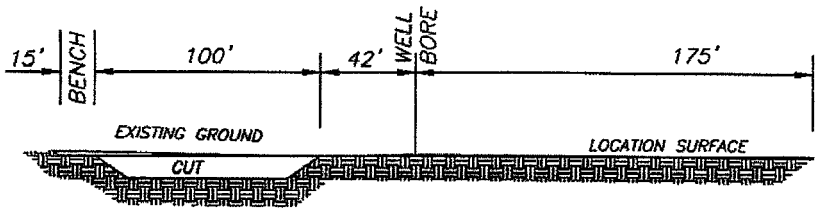
SECTION 11, T2S, R4W, U.S.B.&M.
1316' FNL, 785' FWL





NOTE:
ALL CUT/FILL SLOPES ARE 1½:1

STA 4+00



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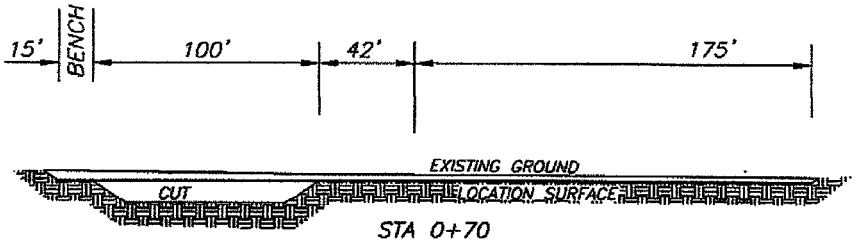

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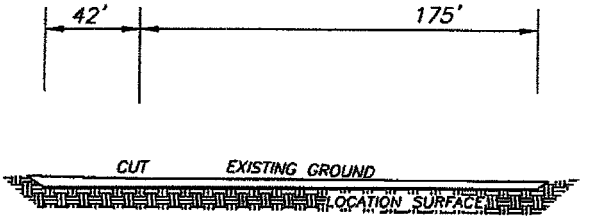

STA 0+00

APPROXIMATE YARDAGES

TOPSOIL STRIPPING: (6") = 2150 CU. YDS.
REMAINING LOCATION CUT = 4300 CU. YDS

TOTAL CUT (INCLUDING PIT) = 10,700 CU. YDS.
TOTAL FILL = 4030 CU. YDS.

LICENSED LAND SURVEYOR
No. 14951
JERRY D. ALLRED
1 Feb '08
STATE OF UTAH

31 JAN 2008 01-128-037

JERRY D. ALLRED & ASSOCIATES
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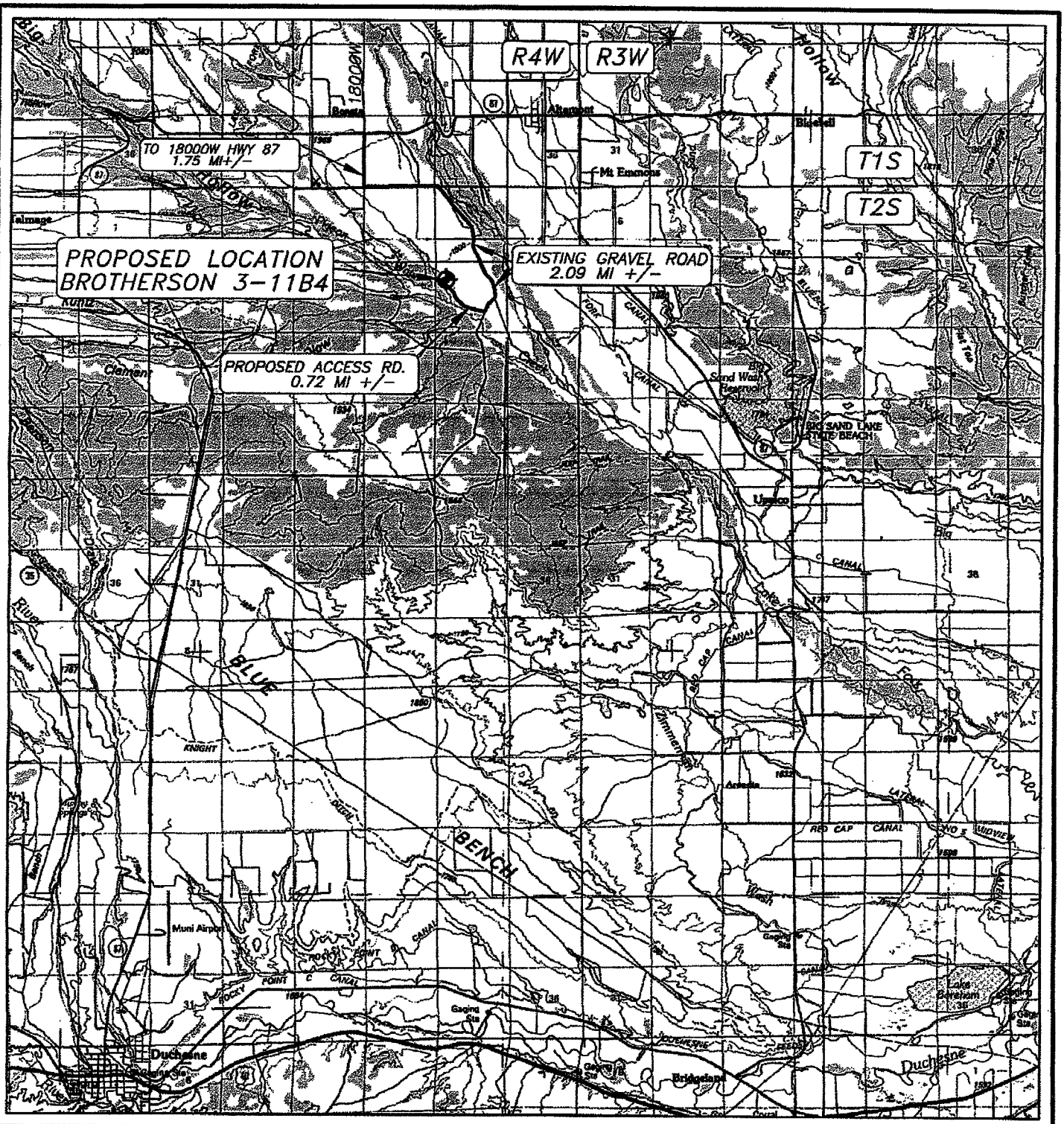


LEGEND:

◆ PROPOSED WELL LOCATION

NORTH

EL PASO E & P COMPANY, L.P.

BROTHERSON 3-11B4

SECTION 11, T2S, R4W, U.S.B.&M.

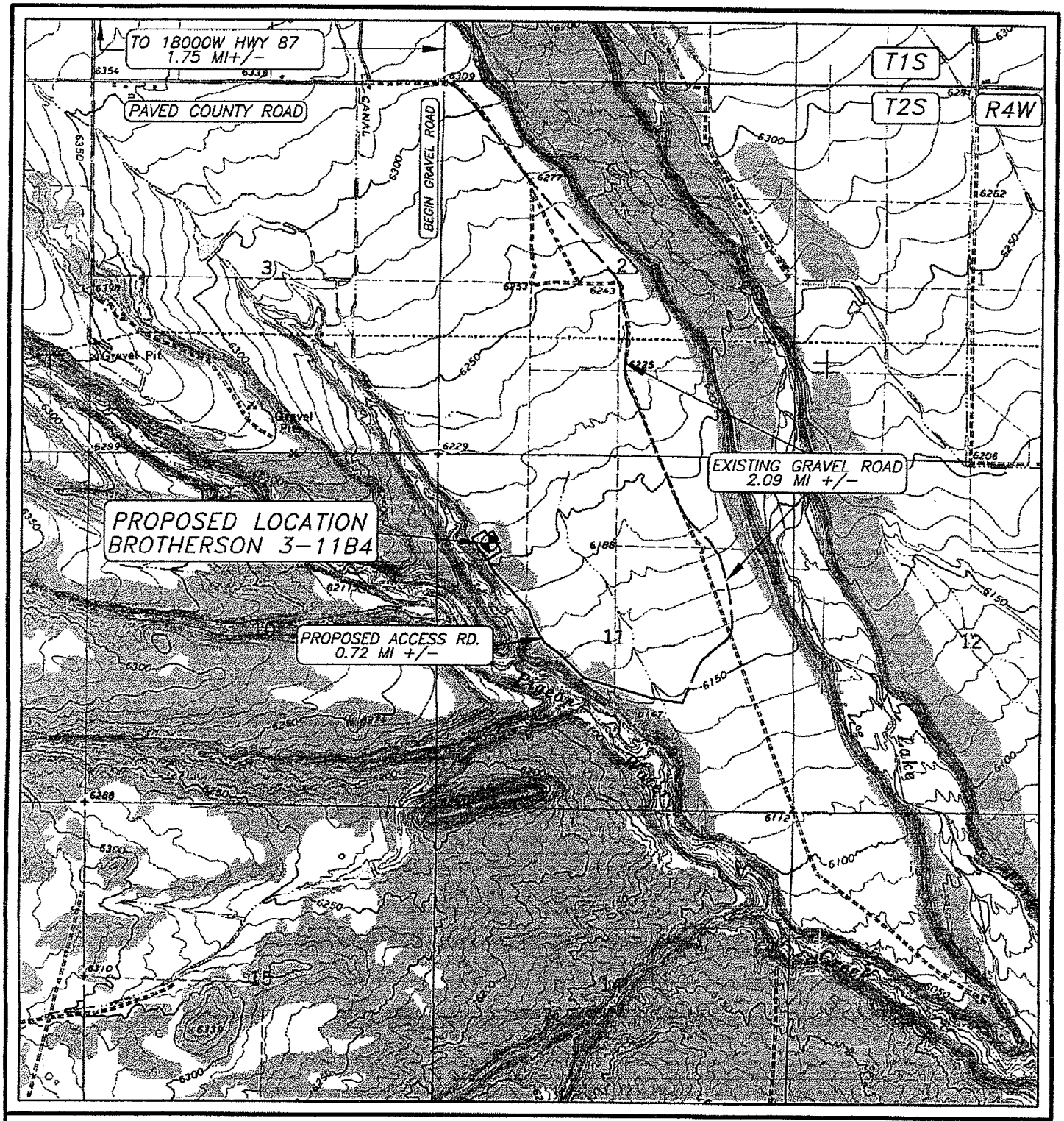
1316' FNL 785' FWL

TOPOGRAPHIC MAP "A"

SCALE; 1"=10,000'

31 JAN 2008

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
121 NORTH CENTER ST.--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352



LEGEND:

- PROPOSED WELL LOCATION
- PROPOSED ACCESS ROAD
- EXISTING GRAVEL ROAD
- EXISTING PAVED ROAD

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
121 NORTH CENTER ST.--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

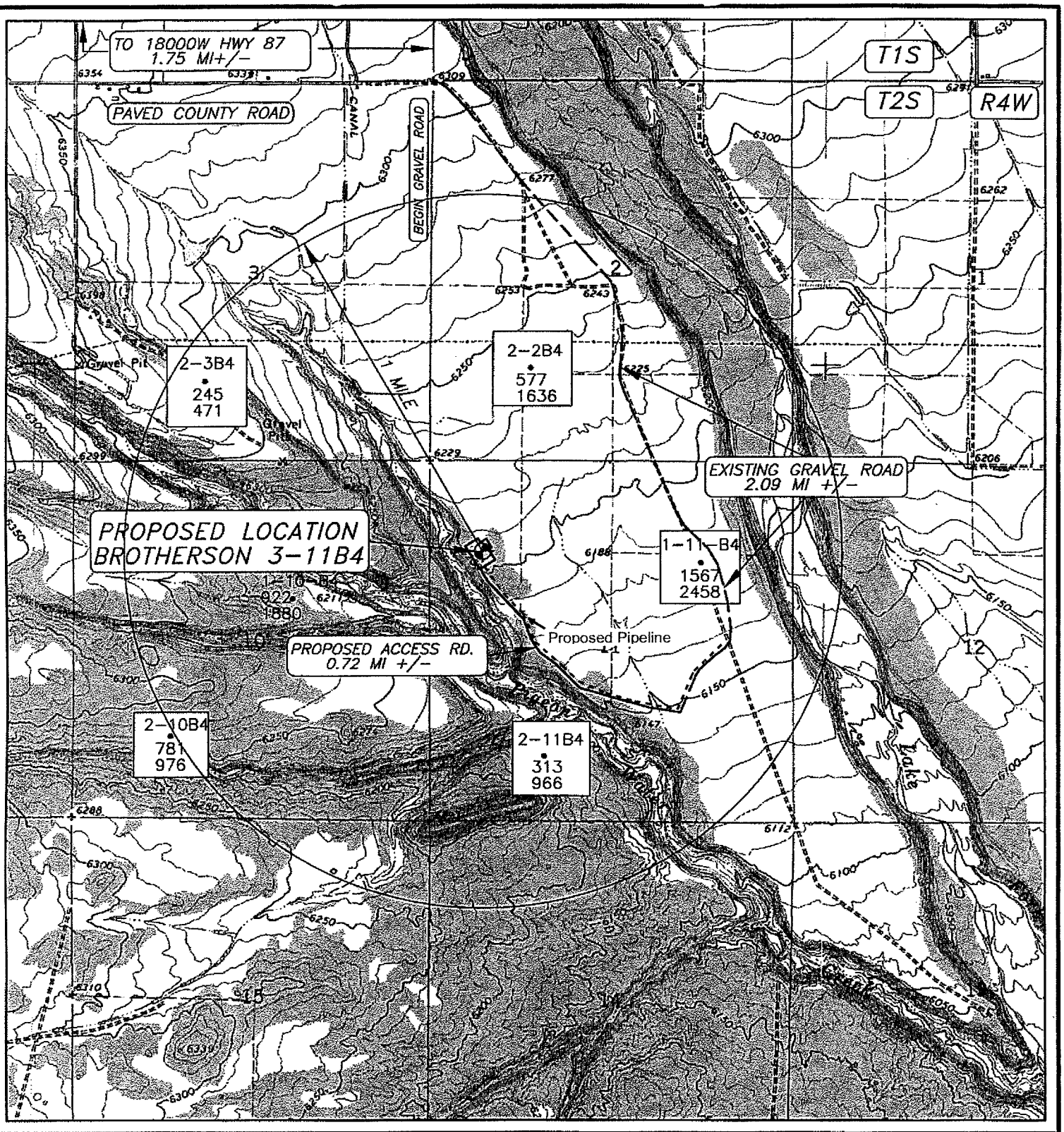
NORTH

EL PASO E & P COMPANY, L.P.

BROTHERSON 3-11B4
SECTION 11, T2S, R4W, U.S.B.&M.
1316' FNL 785' FWL

TOPOGRAPHIC MAP "B"

SCALE; 1"=2000'
31 JAN 2008



LEGEND:

◆ PROPOSED WELL LOCATION

● • ○ ▲ OTHER WELLS AS LOCATED FROM SUPPLIED MAP

2-25C6

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

NORTH

EL PASO E & P COMPANY, L.P.

BROTHERSON 3-11B4
SECTION 11, T2S, R4W, U.S.B.&M.
1316' FNL 785' FWL

TOPOGRAPHIC MAP "C"

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/19/2008

API NO. ASSIGNED: 43-013-33904

WELL NAME: BROTHERSON 3-11B4
OPERATOR: EL PASO E&P COMPANY, LP (N3065)
CONTACT: LARRY BROWN

PHONE NUMBER: 307-237-9310

PROPOSED LOCATION:
NWNW 11 020S 040W
SURFACE: 1316 FNL 0785 FWL
BOTTOM: 1316 FNL 0785 FWL
COUNTY: DUCHESNE
LATITUDE: 40.32580 LONGITUDE: -110.3095
UTM SURF EASTINGS: 558659 NORTHINGS: 4463937
FIELD NAME: ALTAMONT (55)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DKD	4/15/08
Geology		
Surface		

LEASE TYPE: 4 - Fee
LEASE NUMBER: FEE
SURFACE OWNER: 4 - Fee

PROPOSED FORMATION: WSTC
COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat
✓ Bond: Fed[] Ind[] Sta[] Fee[]
(No. 400JU0708)
N Potash (Y/N)
N Oil Shale 190-5 (B) or 190-3 or 190-13
✓ Water Permit
(No. 43-8496)
N RDCC Review (Y/N)
(Date:)
Y Fee Surf Agreement (Y/N)
NA Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: ___

___ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

✓ Drilling Unit
Board Cause No: 139-42
Eff Date: 4-12-1985
Siting: 1660' fr ext ubdry & 1320' fr other wells.

___ R649-3-11. Directional Drill

COMMENTS: Needs Presite (03-07-08)

STIPULATIONS: 1- STATEMENT OF BASIS
2- Surface Casing Cmt Stip
3- Cmt St. p#3 (7" production string, 5000' MD)

T2S R4W

ALTAMONT FIELD

CAUSE: 139-42 / 4-12-1985

BROTHERSON 3-11B4

BROTHERSON 1-11B4

11

BROTHERSON 2-11B4

BABCOCK 2-12B4

BABCOCK 2-12B4

OPERATOR: EL PASO E&P CO (N3065)

SEC: 11 T.2S R. 4W

FIELD: ALTAMONT (55)

COUNTY: DUCHESNE

CAUSE: 139-42 / 4-12-1985

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

UTAH DNR OIL, GAS & MINING

N W E S

PREPARED BY: DIANA MASON

DATE: 25-FEBRUARY-2008

Application for Permit to Drill
Statement of Basis

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
712	43-013-33904-00-00		OW	P	No

Operator EL PASO E&P COMPANY, LP **Surface Owner-APD**
Well Name BROTHERSON 3-11B4 **Unit**
Field ALTAMONT **Type of Work**
Location NWNW 11 2S 4W U 1316 FNL 785 FWL GPS Coord (UTM) 558659E 4463937N

Geologic Statement of Basis

El Paso proposes to set 600 feet of conductor and 5,200 feet of surface casing both of which will be cemented to surface. The surface and intermediate holes will be drilled utilizing fresh water mud. The estimated depth to the base of moderately saline ground water is 3,200 feet. A search of Division of Water Rights records indicates that there are over 20 water wells within a 10,000 foot radius of the proposed location. No wells are located within a one mile radius of the proposed location. These wells probably produce water from the Duchesne River Formation and only three wells exceed 300 feet. One well is listed as 600 feet with two wells listed as 500 feet deep. Most of the wells fall in the 30-300 foot range. The wells are listed as being used for irrigation, stock watering, industrial and domestic. The proposed casing and cement program should adequately protect the highly used Duchesne River aquifer.

Brad Hill 3/13/2008
APD Evaluator **Date / Time**

Surface Statement of Basis

The proposed Brotherson 3-11B4 oil well is in the Pigeon Water drainage approximately 3 ½ miles southeast of Bonita, Utah. Access from Altamont, Utah is following a State of Utah highway, Duchesne County roads and existing oilfield development roads for a distance of 6.72 miles. A new road 0.72 miles in length, following a two-track road on Brothersons private land, will be constructed. General topography in the area is broad benches often dissected by deep well vegetated draws. The benches are used for agriculture or containing native pinion-juniper trees.

The well location is near the edge of a flat bench, which is sprinkler-irrigated except for the south edge beyond the sprinkler pivots. This area contains a stand of moderately dense juniper trees. The pad is mostly in the juniper trees except the northeast end that has been cleared of trees but is not irrigated. The location was laid-out to miss the pivot sprinkler system. The area has a gentle slope to the south. Pigeon water drainage lies about 1/8 mile to the south. This drainage contains a small perennial stream and is well vegetated. No surface water, seeps or springs are known to exist in the immediate area around the location. No drainages will be interrupted and no diversions are needed. The site appears to be a suitable location for constructing a pad, drilling and operating a well.

Both the surface and minerals of the proposed oil well are FEE. Brent Brotherson of Lake Fork Ranch Inc owns the surface. Mr. Brotherson attended the pre-site evaluation and had no concerns not already covered in the Land Owner Agreement. The area, especially under the juniper trees, is used for winter-feeding of cattle and spring calving. The agreement provides for locating the production tanks off the site at a location acceptable to the owner.

Floyd Bartlett 3/7/2008
Onsite Evaluator **Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator EL PASO E&P COMPANY, LP
Well Name BROTHERSON 3-11B4
API Number 43-013-33904-0 **APD No** 712 **Field/Unit** ALTAMONT
Location: 1/4,1/4 NWNW **Sec** 11 **Tw** 2S **Rng** 4W 1316 FNL 785 FWL
GPS Coord (UTM) 558663 4463929 **Surface Owner**

Participants

Floyd Bartlett (DOGM), Wayne Garner (Construction Supervisor, El Paso) , John Whitesides (Landman Elpaso), Brent Brotherson (Surface Owner)

Regional/Local Setting & Topography

The proposed Brotherson 3-11B4 oil well is in the Pigeon Water drainage approximately 3 ½ miles southeast of Bonita, Utah. Access from Altamont, Utah is following a State of Utah highway, Duchesne County roads and existing oilfield development roads for a distance of 6.72 miles. A new road 0.72 miles in length, following a two-track road on Brothersons private land, will be constructed. General topography in the area is broad benches often dissected by deep well vegetated draws. The benches are used for agriculture or containing native pinion-juniper trees.

The well location is near the edge of a flat bench, which is sprinkler-irrigated except for the south edge beyond the sprinkler pivots. This area contains a stand of moderately dense juniper trees. The pad is mostly in the juniper trees except the northeast end that has been cleared of trees but is not irrigated. The location was laid-out to miss the pivot sprinkler system. The area has a gentle slope to the south. Pigeon water drainage lies about 1/8 mile to the south. This drainage contains a small perennial stream and is well vegetated. No surface water, seeps or springs are known to exist in the immediate area around the location. No drainages will be interrupted and no diversions are needed. The site appears to be a suitable location for constructing a pad, drilling and operating a well.

Both the surface and minerals of the proposed oil well are FEE.

Surface Use Plan

Current Surface Use

Grazing
Agricultural
Wildlfe Habitat
Deer Winter Range

New Road Miles	Well Pad		Src Const Material	Surface Formation
0.72	**Width** 337	**Length** 400	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

Twelve to 16 inches of snow cover most of the area. Known or expected plants are juniper, sagebrush, cheat grass and spring annuals.

Cattle graze the area during the non-irrigated season. Deer, elk, coyote, small mammals and birds seasonally occupy

the area.

Soil Type and Characteristics

Soils are expected to be shallow gravely sandy loams.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required N

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? N **Paleo Potental Observed?** N **Cultural Survey Run?** N **Cultural Resources?**

Reserve Pit

Site-Specific Factors	Site Ranking
Distance to Groundwater (feet)	
Distance to Surface Water (feet)	
Dist. Nearest Municipal Well (ft)	
Distance to Other Wells (feet)	
Native Soil Type	
Fluid Type	
Drill Cuttings	
Annual Precipitation (inches)	
Affected Populations	
Presence Nearby Utility Conduits	

Final Score **Sensitivity Level**

Characteristics / Requirements

The reserve pit is planned on the northeast corner of the location in an area of cut. Dimensions are 100' x 150' x 10 feet deep. A 15 foot bench is planned. Sensitivity Level 1. A liner is required. Wayne Garner of ElPaso said they commonly use a 16 mil liner.

Closed Loop Mud Required? **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

Other Observations / Comments

Twelve to 16 inches of snow cover most of the area.

Floyd Bartlett	3/7/2008
Evaluator	**Date / Time**

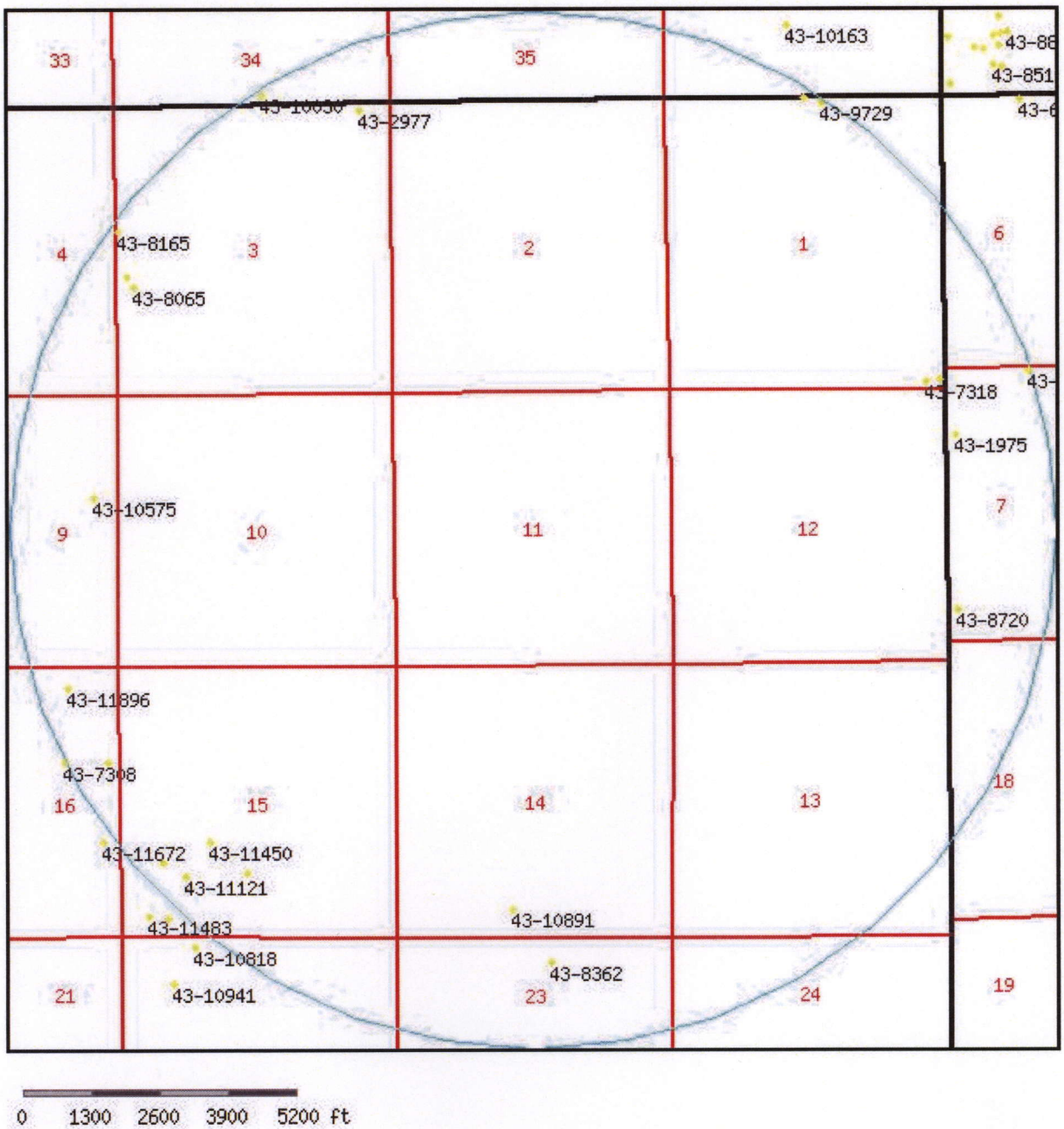
utah gov | Online Services | Agency List | Business

Utah Division of Water Rights

WRPLAT Program Output Listing

Version: 2007.04.13.01 Rundate: 03/13/2008 04:37 PM

Radius search of 10000 feet from a point N2640 E2640 from the SW corner, section 11, Township 2S, Range 4W, US b&m Criteria:wrtypes=W,C,E podtypes=U status=U,A,P usetypes=all



Water Rights

WR Number	Diversion Type/Location	Well Log	Status	Priority	Uses	CFS	ACFT	Owne
43-10030	Underground N169 E179 S4 34 1S 4W US		P	19880330	DIS	0.015	0.000	BETH BROTHER STAR ROUTE BC
43-10163	Underground N1370 W334 S4 36 1S 4W US		P	19270000	DIS	0.015	0.000	ANTHON L. RUS P. O. BOX 71
43-10575	Underground N711 E4798 W4 09 2S 4W US	well info	P	19960109	DS	0.000	1.570	ROY A. AND LO HC 65 BOX 245
43-10771	Underground N1260 W256 S4 15 2S 4W US	well info	P	19970826	DI	0.000	0.690	ROBERT W. VAN P.O. BOX 1094
43-10818	Underground S169 W1247 N4 22 2S 4W US	well info	P	19980408	DIS	0.000	2.180	JAMES V. MINA 4579 SOUTH ED
43-10891	Underground N580 W450 S4 14 2S 4W US	well info	A	19990211	DIS	0.000	4.730	ROBERT AND D JENKINS P. O. BOX 187
43-10941	Underground S900 E950 NW 22 2S 4W US	well info	A	19990706	DIS	0.000	3.730	DON & SHERYL 749 EAST 200 SO
43-11116	Underground N350 E850 SW 15 2S 4W US	well info	A	20010126	DIS	0.000	3.730	DENNIS AND SH 655 EAST 200 SO
43-11121	Underground N1150 E1200 SW 15 2S 4W US	well info	A	20010309	DIS	0.000	3.730	DENNIS L. & DI 9 EAST 700 SOU
43-11407	Underground N765 W250 E4 16 2S 4W US	well info	A	20030224	DIS	0.000	1.480	LANE R. WARE 3791 SOUTH 600
43-11450	Underground S776 E1676 W4 15 2S		P	20030711	DI	0.000	0.990	DONALD B. AN CAMPBELL

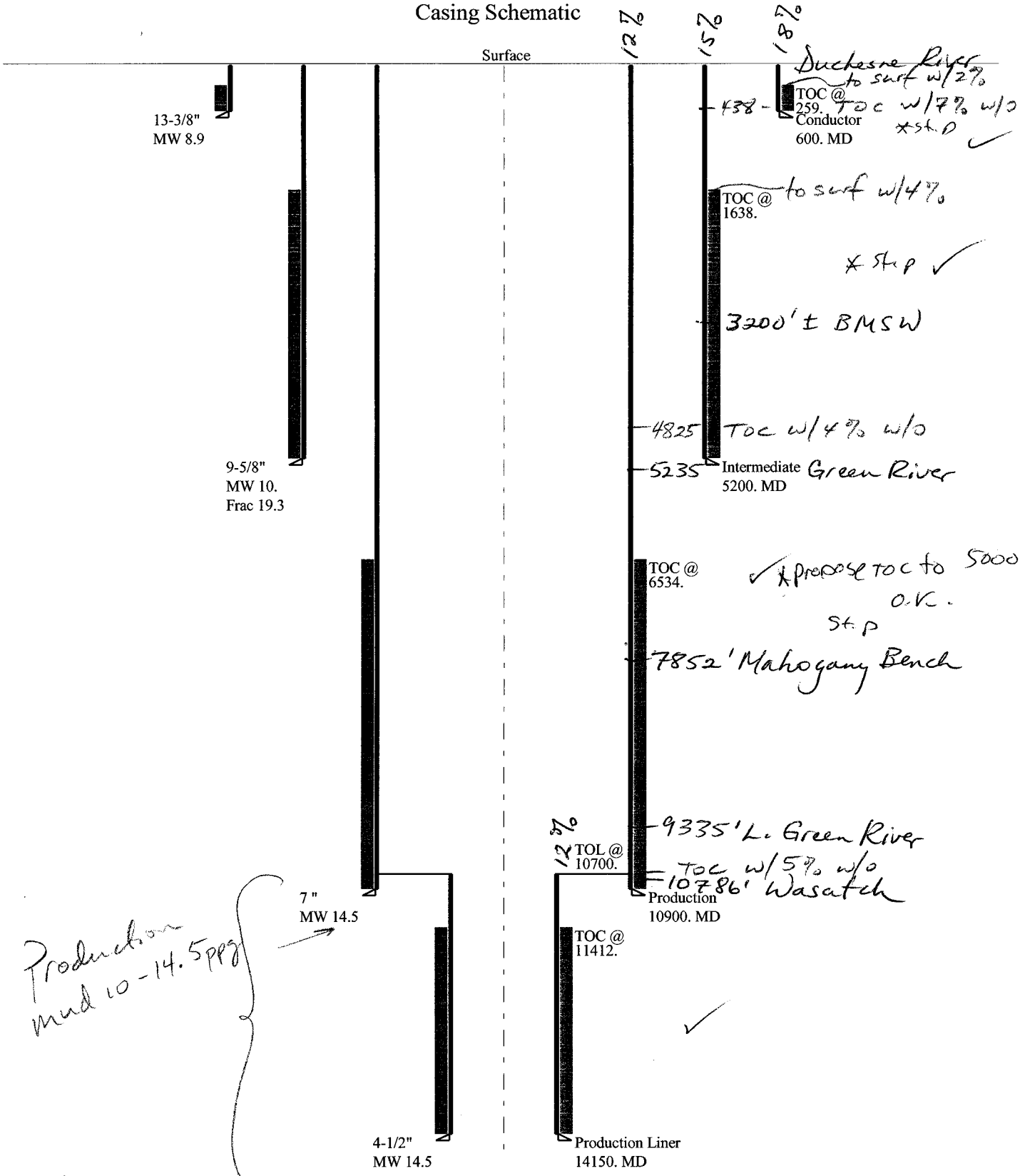
	4W US						486 NORTH 2000
43-11483	Underground		A	20031014 DIS	0.000	1.480	RICHARD AND I
	N400 E480 SW 15 2S 4W US						JOINT TENANTS
43-11646	Underground	well info	A	20050527 DIS	0.000	1.480	LYNDA QUINTA
	S1150 E800 W4 15 2S 4W US						P.O. BOX 842
43-11672	Underground		A	20050808 DI	0.000	1.200	WAYNE L. AND
	S750 W350 E4 16 2S 4W US						7909 WEST 3570
43-11896	Underground	well info	A	20070314 DIS	0.000	1.340	SUE C. PIERCE
	S400 W970 NE 16 2S 4W US						P.O. BOX 121
43-1975	Underground	well info	P	19680430 DIS	0.015	0.000	DOUGLAS MILE
	S1270 E195 NW 07 2S 3W US						ALTAMONT UT
43-2434	Underground		P	19280000 DIS	0.015	0.000	ARVIL POWELL
	N890 E780 SW 31 1S 3W US						STAR ROUTE #1
43-2977	Underground	well info	P	19731009 DIS	0.015	0.000	H. TAYLOR & G.
	S180 W600 NE 03 2S 4W US						STAR ROUTE
43-3079	Underground		P	19480529 DIS	0.015	0.000	GORDON J. CAS
	N1162 E1001 SW 31 1S 3W US						MT. EMMONS U
43-3394	Underground		P	19490302 D	0.015	0.000	MONS JOHNASE
	S495 E198 W4 03 2S 4W US						BONETA UT
43-3728	Underground		P	19630920 DIS	0.015	0.000	BOB MILES
	N209 W96 SE 01 2S 4W US						ALTAMONT UT
43-4958	Underground		P	19260000 DS	0.033	0.000	ANNIE R. SALM
	N948 E1094 SW 31 1S 3W US						MOUNT EMONS
43-5039	Underground		P	19200000 DS	0.022	0.000	ARVIL R. POWE
	N909 E624 SW 31 1S 3W US						STAR ROUTE #1
43-6824	Underground	well info	P	19710805 DI	0.015	0.000	GEORGE M. ANI STREET
	N552 E1150 SW 31 1S 3W US						ALTAMONT UT

43-6864	Underground N220 E140 SW 31 1S 3W US		P	19110000 DIS	0.022	0.000	WILLIAM W. W/ BOX 45
43-6907	Underground S100 W1100 N4 06 2S 3W US		P	19720815 DIS	0.007	0.000	KAY W. PULLEY ALTAMONT UT
43-7283	Underground S65 W990 N4 07 2S 3W US	well info	P	19721020 DIS	0.015	0.000	LAVON R. & DI/ ALTAMONT UT
43-7308	Underground S1801 W1051 NE 16 2S 4W US	well info	P	19730110 O	0.015	0.000	COASTAL OIL A RESOURCES, IN NINE GREENWA
43-7318	Underground N180 W350 SE 01 2S 4W US		P	19730301 S	0.015	0.000	GARY D. & SHEI STRINGHAM MOUNTAIN HO
43-7518	Underground N1110 E130 SW 31 1S 3W US		P	19740607 DI	0.015	0.000	VIRGINIA AND I P.O. BOX 181
43-7906	Underground N1190 E1120 SW 31 1S 3W US		P	19250000 DS	0.015	0.000	LAWRENCE N. & P.O. BOX 93
43-8065	Underground S675 E330 W4 03 2S 4W US	well info	P	19770324 DIS	0.015	0.000	ALBERT L. PIER LONG VIEW RA
43-8164	Underground N1528 E1082 SW 31 1S 3W US	well info	P	19770926 DI	0.015	0.000	LAMORE AND C BOX 204
43-8165	Underground N390 E30 W4 03 2S 4W US	well info	P	19770926 DIS	0.015	0.000	BRENT BROTHE HC 65 510048
43-8362	Underground S453 W2320 NE 23 2S 4W US	well info	P	19790104 O	0.015	0.000	SHELL OIL COM P.O. BOX #831
43-8518	Underground N595 E985 SW 31 1S 3W US	well info	P	19790927 DIS	0.015	0.000	ARCHIE AND GI ALTAMONT UT
43-8720	Underground		P	1929 DIS	0.015	0.000	WILLIAM B. WE

	N630 E175 SW 07 2S 3W US						277 SOUTH VER
43-8876	Underground	well info	A	19810122 DIS	0.015	1.312	GARY AND ANC
	N1213 E1256 SW 31 1S 3W US						14756 WEST 321(
43-9705	Underground		A	19850625 DIS	0.015	0.000	LEON & DIXIE F
	S20 E20 N4 01 2S 4W US						BOX 135
43-9729	Underground		A	19850807 DIS	0.015	0.000	ILENE MCCONK
	S125 E325 N4 01 2S 4W US						P.O. BOX 9

2008-03 El Paso Brotherson 3-11B4

Casing Schematic



Well name:	**2008-03 El Paso Brotherson 3-11B4**
Operator:	**El Paso E & P Company, L.P.**
String type:	Conductor
Project ID:	43-047-39904
Location:	Uintah County, Utah

Design parameters:

Collapse

Mud weight: 8.900 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 205 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 277 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.80 (J)
Buttress:	1.60 (J)
Premium:	1.50 (J)
Body yield:	1.50 (B)

Tension is based on buoyed weight.

Neutral point: 521 ft

Environment:

H2S considered?	No
Surface temperature:	65 °F
Bottom hole temperature:	73 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	1,500 ft
Cement top:	259 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	600	13.375	54.50	J-55	ST&C	600	600	12.49	520.7

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	277	1130	4.074	277	2730	9.84	28	514	18.10 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: (801) 538-5357
FAX: (801) 359-3940

Date: March 18,2008
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 600 ft, a mud weight of 8.9 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**2008-03 El Paso Brotherson 3-11B4**
Operator:	**El Paso E & P Company, L.P.**
String type:	Intermediate
Project ID:	43-047-39904
Location:	Uintah County, Utah

Design parameters:

Collapse

Mud weight: 10.000 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 4,056 psi

Internal gradient: 0.220 psi/ft

Calculated BHP 5,200 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.80 (J)
Buttress:	1.60 (J)
Premium:	1.50 (J)
Body yield:	1.50 (B)

Tension is based on buoyed weight.

Neutral point: 4,426 ft

Environment:

H2S considered?	No
Surface temperature:	65 °F
Bottom hole temperature:	138 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	1,500 ft
Cement top:	1,638 ft

Non-directional string.

Re subsequent strings:

Next setting depth:	10,900 ft
Next mud weight:	13.500 ppg
Next setting BHP:	7,644 psi
Fracture mud wt:	19.250 ppg
Fracture depth:	5,200 ft
Injection pressure:	5,200 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	5200	9.625	40.00	N-80	LT&C	5200	5200	8.75	2213.8

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2701	3090	1.144	5200	5750	1.11	177	737	4.16 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: (801) 538-5357
FAX: (801) 359-3940

Date: March 18,2008
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 5200 ft, a mud weight of 10 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**2008-03 El Paso Brotherson 3-11B4**
Operator:	**El Paso E & P Company, L.P.**
String type:	Production
Project ID:	43-047-39904
Location:	Uintah County, Utah

Design parameters:

Collapse

Mud weight: 12.000 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 4,397 psi

Internal gradient: 0.220 psi/ft

Calculated BHP 6,795 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on buoyed weight.

Neutral point: 8,920 ft

Environment:

H2S considered? No

Surface temperature: 65 °F

Bottom hole temperature: 218 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 1,500 ft

Cement top: 6,534 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	10900	7	29.00	HCP-110	LT&C	10900	10900	6.059	2273.4

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	6795	9200	1.354	6795	11220	1.65	259	797	3.08 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: (801) 538-5357
FAX: (801) 359-3940

Date: March 19,2008
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 10900 ft, a mud weight of 12 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**2008-03 El Paso Brotherson 3-11B4**
Operator:	**El Paso E & P Company, L.P.**
String type:	Production Liner
Project ID:	43-047-39904
Location:	Uintah County, Utah

Design parameters:

Collapse

Mud weight: 14.500 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 7,545 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 10,658 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 13,391 ft

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 263 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 11,412 ft

Liner top: 10,700 ft
Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	3450	4.5	15.10	P-110	LT&C	14150	14150	3.701	275.4

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	10658	14350	1.346	10658	14420	1.35	41	406	9.99 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: (801) 538-5357
FAX: (801) 359-3940
Date: April 3,2008
Salt Lake City, Utah

Remarks:
For this liner string, the top is rounded to the nearest 100 ft.Collapse is based on a vertical depth of 14150 ft, a mud weight of 14.5 ppg The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

BOPE REVIEW — El Paso Brotherson 3-11B4 — API# 43-047-33904

Well Name	El Paso Brotherson 3-11B4 API# 43-047-33904			
	String 1	String 2	String 3	String 4
Casing Size (")	13 3/8	9 5/8	7	4 1/2
Setting Depth (TVD)	600	5200	10900	14150
Previous Shoe Setting Depth (TVD)	0	600	5200	10900
Max Mud Weight (ppg)	8.9	10	14.5	14.5
BOPE Proposed (psi)	500	500	5000	10000
Casing Internal Yield (psi)	2730	5750	11220	14420
Operators Max Anticipated Pressure (psi)	9565			13.0 ppg

Calculations	String 1	13 3/8 "		
Max BHP [psi]	.052*Setting Depth*MW =	278		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	206	YES	5" x 20" rotating head on structural pipe ✓
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	146	YES	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	HP-.22*(Setting Depth - Previous Shoe Depth) =	146	NO	
Required Casing/BOPE Test Pressure		500	psi	
*Max Pressure Allowed @ Previous Casing Shoe =		0	psi	*Assumes 1psi/ft frac gradient

Calculations	String 2	9 5/8 "		
Max BHP [psi]	.052*Setting Depth*MW =	2704		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	2080	NO	5" x 13.375" Smith Rotating Head w/shut-off valve to 4900'
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	1560	NO	expecting 0.6760 psi/ft (=3515 psi) → O.K. No expected pressure
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	HP-.22*(Setting Depth - Previous Shoe Depth) =	1692	NO ✓	
Required Casing/BOPE Test Pressure		4025	psi	
*Max Pressure Allowed @ Previous Casing Shoe =		600	psi	*Assumes 1psi/ft frac gradient

Calculations	String 3	7 "		
Max BHP [psi]	.052*Setting Depth*MW =	8219		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	6911	NO	
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	5821	NO	expecting 0.6760 psi/ft (=7368 psi) O.K. for expected press ✓
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	HP-.22*(Setting Depth - Previous Shoe Depth) =	6965	NO ✓	
Required Casing/BOPE Test Pressure		7854	psi	
*Max Pressure Allowed @ Previous Casing Shoe =		5200	psi	*Assumes 1psi/ft frac gradient

Calculations	String 4	4 1/2 "		
Max BHP [psi]	.052*Setting Depth*MW =	10669		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	8971	YES	
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	7556	YES	expecting 0.6760 psi/ft (=9565 psi) ✓
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	HP-.22*(Setting Depth - Previous Shoe Depth) =	9954	YES ✓	
Required Casing/BOPE Test Pressure		10000	psi	
*Max Pressure Allowed @ Previous Casing Shoe =		10900	psi	*Assumes 1psi/ft frac gradient

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
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

April 15, 2008

El Paso E&P Company, LP
291 Daffodil
Casper, WY 82604

Re: Brotherson 3-11B4 Well, 1316' FNL, 785' FWL, NW NW, Sec. 11, T. 2 South, R. 4 West, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33904.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR OIL, GAS & MINING

Operator: El Paso E&P Company, LP
Well Name & Number Brotherson 3-11B4
API Number: 43-013-33904
Lease: Fee

Location: NW NW **Sec.** 11 **T.** 2 South **R.** 4 West

Conditions of Approval

1. **General**

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

   The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

   - 24 hours prior to cementing or testing casing – contact Dan Jarvis
   - 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
   - 24 hours prior to spudding the well – contact Carol Daniels
   - Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
   - Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

   The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

   - Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
   - Any changes to the approved drilling plan – contact Dustin Doucet

   The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

   - Dan Jarvis at: (801) 538-5338 office (801) 942-0871 home
   - Carol Daniels at: (801) 538-5284 office
   - Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. **Reporting Requirements**

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

5. Cement volume for the 7" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 5000' MD as indicated in the submitted drilling plan.

6. Surface casing shall be cemented to surface.

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **EL PASO E&P COMPANY, LP**

Well Name: **BROTHERSON 3-11B4**

Api No: **43-013-33904** Lease Type: **FEE**

Section **11** Township **02S** Range **04W** County **DUCHESNE**

Drilling Contractor **PROPETCO** RIG # **RATHOLE**

SPUDDED:

Date **04/22/08**

Time **10:00 AM**

How **DRY**

Drilling will Commence:

Reported by **WAYNE GARNER**

Telephone # **(435) 823-1490**

Date **04/22/08** **Signed** **CHD**

FORM 9

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

CONFIDENTIAL

5. LEASE DESIGNATION AND SERIAL NUMBER: FEE

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

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

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

8. WELL NAME and NUMBER: BROTHERSON 3-11 B4

2. NAME OF OPERATOR: EL PASO E&P COMPANY, L.P.

9. API NUMBER: 4301333904

3. ADDRESS OF OPERATOR: 1099 18TH ST, STE 1900 CITY DENVER STATE CO ZIP 80202

PHONE NUMBER: (303) 291-6400

10. FIELD AND POOL, OR WILDCAT: ALTAMONT/BLUEBELL

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1316' FNL AND 785' FWL

COUNTY: DUCHESNE

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 11 2S 4W

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.

OPERATOR REQUESTS AUTHORIZATION TO CHANGE DRILL PLANS ON THE WELL CAPTIONED ABOVE. PLEASE SEE ATTACHED WELLBORE DIAGRAM AND BREIF EXPLANATION.

COPY SENT TO OPERATOR
Date: 5.19.2008
Initials: KS

NAME (PLEASE PRINT) LAURA WILT TITLE REGULATORY ANALYST

SIGNATURE Laura Wilt DATE 5/9/2008

(This space for State use only)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
5/16/08
D. Staley

RECEIVED
MAY 14 2008
DIV. OF OIL, GAS & MINING

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

* 9 5/8" shall be cemented to Surface, 7" cemented to 5000' as proposed

elpaso Production

Drilling Schematic

Company Name:	El Paso Exploration & Production	**Date:**	April 30, 2008
Well Name:	**Brotherson 3-11B4**	**TD:**	14,150
Field, County, State:	Altamont - Bluebell, Duchesne, Utah	**AFE #:**	
Surface Location:	1,320' FNL, 780' FEL, SEC. 11, T2S, R4W	**BHL:**	Straight Hole
Objective Zone(s):	Green River, Wasatch	**Elevation:**	5138 (5160 RKB)
Rig:	Frontier 11	**Spud (est.):**	December 1, 2007
BOPE Info:	5.0 x 13 3/8 rotating head from surface to 5200 11 5M BOP stack and 5M kill lines and choke manifold used from 5200 to TD		

LOGS	TOPS	DEPTH	MECHANICAL: HOLE SIZE	CASING SIZE	MUD WEIGHT
		608 ' MD/TVD	17-1/2"	13 3/8" 54.5ppf J-55 LTC	8.3-8.7 WBM
		5,200 ' MD/TVD	12-1/4"	9-5/8" 40ppf N-80 LTC	8.3-10 ppg WBM
	Green River	5,235			
	Mahogany Bench	7,852			
Quad Combo	LGR (TGR3)	9,335	8-3/4"	7" 29ppf HCP-110 LTC	8.3-13.5 ppg WBM
	Wasatch	10,786		10,550 Top of 7" 32ppf Q-125 STL	
		14,150 ' MD/TVD			

TOC @ 5000'

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
						2,730	1,140	1,399
CONDUCTOR	13 3/8"	0 - 608	54.5	J-55	LTC	21.45	4.01	7.51
						5,750	3,530	606
SURFACE	9-5/8"	0 - 5200	40	N-80	LTC	1.88	1.45	1.97
						11,220	9,200	681
PRODUCTION	7"	0 - 10550	29	HCP-110	LTC	1.81	1.24	1.31
						14,160	11,720	781
	7"	10550 - 14150	32	Q-125	STL	1.70	1.18	3.63

CEMENT PROGRAM		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
						ppg	cuft/sk
CONDUCTOR		608	Class G + 3% CaCl2	560	50%	15.6	1.15
SURFACE	Lead	4,700	Premium Lite II Plus, 2% CaCl2 0.3% FL52	530	15%	11.0	3.2
			0.5% Sodium Metasilicate				
	Tail	500	Class G 50:50 poz, 2% CaCl2, 2% gel	150	15%	14.4	1.25
			0.3% sodium metasilicate				
PRODUCTION	Lead	8,750	Class G 50:50 poz, 4% gel, .4%HR601	820	15%	13.50	1.86
			5pps silicalite, .5% Halad 344, .3% Halad 413				
			.5% super CBL, 6% Wellife 665				

FLOAT EQUIPMENT & CENTRALIZERS

CONDUCTOR	PDC drillable float shoe, 1 joint, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing.
SURFACE	PDC drillable float shoe, 2 joints casing, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing & every 3rd joint thereafter.
PRODUCTION	PDC drillable float shoe, 1 joint, PDC drillable float collar. Thread lock all float equipment. Install rigid centralizers on 1 every 3rd joint up to TOC.

PROJECT ENGINEER(S): Alex Erhardt

MANAGER: _____

BROTHERSON 3-11B4 Change of Drill Plans:

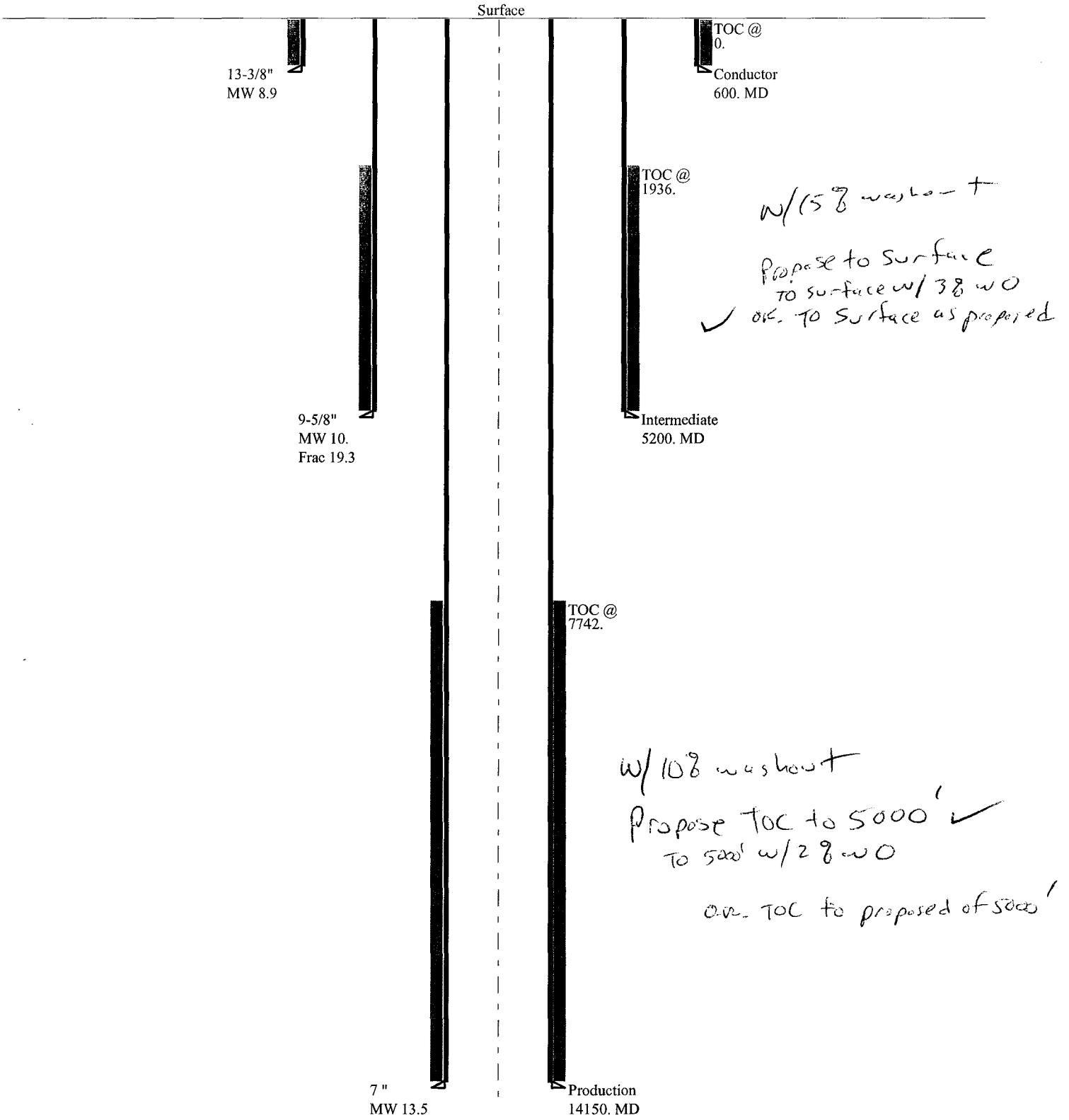
Change is that we do not want to set intermediate casing, instead we want to take 7" casing all the way to planned TD of 14150.

We can do this because the offset mud weights show that reservoir pressure has dropped enough to allow us to TD with less than a 13.5ppg MW.
We demonstrated on the sprouse bowden that we can successfully strengthen the wellbore to allow mud weights to increase substantially beyond the point of initial lost circulation without experiencing significant downtime or risking sticking pipe.
The most recent offset in the 9 section immediate area, the Lake Fork 3-15B4 (1992), was able to TD with only a 12.4 ppg mud weight, and reservoir pressure should have come down since then due to continued production.

We have located 32 ppf Q-125 casing to run to TD which is more than adequately strong enough for the loads on the bottom of the hole

2008-03 El Paso Brotherson 3-11B4rev.

Casing Schematic



Well name:	**2008-03 El Paso Brotherson 3-11B4rev.**
Operator:	**El Paso E & P Company, L.P.**
String type:	Production
Project ID:	43-047-39904
Location:	Uintah County, Utah

Design parameters:

Collapse

Mud weight: 13.500 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 6,810 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 9,923 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.80 (J)
Buttress:	1.60 (J)
Premium:	1.50 (J)
Body yield:	1.50 (B)

Tension is based on buoyed weight.
Neutral point: 11,460 ft

Environment:

H2S considered?	No
Surface temperature:	65 °F
Bottom hole temperature:	263 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	1,500 ft
Cement top:	7,742 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
2	10500	7	29.00	HCP-110	LT&C	10500	10500	6.059	2190.1
1	3650	7	32.00	Q-125	Flush Seal-Lock	14150	14150	6	739.3

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
2	7364	9137	1.241	9120	11220	1.23	335	797	2.38 J
1	9923	11720	1.181	9923	14160	1.43	31	853	27.74 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: (801) 538-5357
FAX: (801) 359-3940
Date: May 16,2008
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 14150 ft, a mud weight of 13.5 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER: FEE

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

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

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

8. WELL NAME and NUMBER: BROTHERSON 3-11B4

2. NAME OF OPERATOR: EL PASO E&P COMPANY, L.P.

9. API NUMBER: 4301333904

3. ADDRESS OF OPERATOR: 1099 18TH ST, STE 1900 CITY DENVER STATE CO ZIP 80202

PHONE NUMBER: (303) 291-6400

10. FIELD AND POOL, OR WILDCAT: ALTAMONT

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1316' FNL, 785' FWL

COUNTY: DUCHESNE

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 11 2S 4W

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
4/21/2008	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: NOTICE OF SPUD
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

OPERATOR SPUD THE SUBJECT WELL ON 4/21/2008. SET 20" CONDUCTOR PIPE TO 52'.
BEGAN ROTARY DRILLING ON 4/23/2008. SET 13-3/8" AT 608'.

NAME (PLEASE PRINT) LISA PRETZ

TITLE ENGINEERING TECH

SIGNATURE

DATE 6/11/2008

(This space for State use only)

RECEIVED
JUN 16 2008
DIV. OF OIL, GAS & MINING

(5/2000)

(See Instructions on Reverse Side)

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

FORM 6

ENTITY ACTION FORM

Operator: El Paso E&P Company, L.P.
Address: 1099 18th Street, Suite 1900
city Denver
state CO zip 80202

Operator Account Number: N 3065

Phone Number: (303) 291-6400

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301333904	BROTHERSON 3-11B4		NWNW	11	2S	4W	DUCHENSE
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
A	99999	16891	4/21/2008			6/19/08	

Comments: WSTC

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Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:

- **A** - Establish new entity for new well (single well only)
- **B** - Add new well to existing entity (group or unit well)
- **C** - Re-assign well from one existing entity to another existing entity
- **D** - Re-assign well from one existing entity to a new entity
- **E** - Other (Explain in 'comments' section)

LISA PRETZ
Name (Please Print)

Signature

ENGINEERING TECH
Title

6/11/2008
Date

RECEIVED
JUN 16 2008
DIV. OF OIL, GAS & MINING

(5/2000)

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

CONFIDENTIAL

AMENDED REPORT ☑ (highlight changes)

FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER: Brotherson 3-11B4

9. API NUMBER: 4301333904

10 FIELD AND POOL, OR WILDCAT: Altamont

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

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

2. NAME OF OPERATOR: ElPaso E&P Company, LP

3. ADDRESS OF OPERATOR: 1099 18th St. Ste 1900 CITY Denver STATE CO ZIP 80202 PHONE NUMBER: (303) 291-6400

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1316' FNL, 785' FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW: SAME
AT TOTAL DEPTH: SAME

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 11 2S 4W

12. COUNTY: DUCHESNE 13. STATE: UTAH

14. DATE SPUDDED: 4/21/2008 15. DATE T.D. REACHED: 6/20/2008 16. DATE COMPLETED: 8/16/2008 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): 6205' GL

18. TOTAL DEPTH: MD 14,100 TVD 14,100

19. PLUG BACK T.D.: MD 14,096 TVD 14,096

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
~~Tripl Combo, Quad Combo, CBL, GR, CCL~~ X · MAA
Comp2, CD, CN, GR, Cal, MAA

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
17-1/2"	13-3/8 J55	54.5#	0	635		classG 700	140	surface	n/a
12-1/4"	9-5/8 N80	40.0#	0	5,231		Premo 1,055	382	surface	n/a
8-3/4"	7" HCP	29.0#	0	7,872		JBPoz 632	302	surface	n/a
6-1/8"	4.5" Liner	15.1#	11,183	14,099		PozPr 250	77	surface	n/a

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	10,740							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Wasatch	10,846	13,976	10,846	13,976
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)		SIZE	NO. HOLES	PERFORATION STATUS
13,285	13,976	3-1/8	186	Open ☑ Squeezed ☐
12,421	13,197	3-1/8	195	Open ☑ Squeezed ☐
11,513	12,399	3-1/8	216	Open ☑ Squeezed ☐
10,759	11,484	3-1/8	288	Open ☑ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
13,285' - 13,976'	5000 GAL 15% HCL, 9,878# 100 Mesh Sand and 178,224# Sinterlite Boxite 20/40 Sand
12,421' - 13,197'	5000 GAL 15% HCL, 13,578# 100 Mesh Sand and 142,020# Sinterlite Boxite 20/40 Sand
10,759' - 11,484'	8000 GAL 15% HCL, 10,582# 100 Mesh Sand and 289,124# Carboprop & Sinterlite 20/40 Sand

29. ENCLOSED ATTACHMENTS:
☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: Producing

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(CONTINUED ON BACK)

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
7/24/2008		7/25/2008		24			499	539	716	Flowing
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
			42.10				499	539	716	OPEN

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

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

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.
Green River	5,295	7,912	
Mahogony Bench	7,912	9,395	
L. Green River	9,395	10,846	
Wasatch	10,846	13,976	

34. FORMATION (Log) MARKERS:

Name	Top (Measured Depth)
Green River	5,295
Mahogany Bench	7,912
Lower Green River	9,395
Wasatch	10,846

35. ADDITIONAL REMARKS (Include plugging procedure)

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

NAME (PLEASE PRINT) Rachael Overbey TITLE ENGINEERING TECH

SIGNATURE Rachael Overbey DATE 9/23/2008

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

CONFIDENTIAL

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: FEE

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

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

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

8. WELL NAME and NUMBER: BROTHERSON 3-11B4

2. NAME OF OPERATOR: EL PASO E&P COMPANY, L.P.

9. API NUMBER: 4301333904

3. ADDRESS OF OPERATOR: 1099 18TH ST, STE 1900 CITY DENVER STATE CO ZIP 80202

PHONE NUMBER: (303) 291-6400

10. FIELD AND POOL, OR WILDCAT: ALTAMONT

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1316' FNL, 785' FWL

COUNTY: DUCHESNE

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 11 2S 4W

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
8/16/2008	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Daily Drl/Compl
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

As requested, attached are El Paso's daily drilling and completion details for the subject well.

NAME (PLEASE PRINT) Marie OKeefe TITLE Sr. Regulatory Analyst

SIGNATURE Marie OKeefe DATE 1/5/2009

(This space for State use only)

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

EL PASO PRODUCTION

Operations Summary Report

Legal Well Name: BROTHERSON 3-11B4
Common Well Name: BROTHERSON 3-11B4
Event Name: DRILLING
Contractor Name: FRONTIER
Rig Name: FRONTIER

Start: 4/22/2008
Rig Release: 7/1/2008
Rig Number: 11

Spud Date: 4/22/2008
End: 6/28/2008
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
4/23/2008	07:00 - 10:00	3.00	D	01		Pro Petro moved in & rigged up to drill 17 1/2" surface hole
	10:00 - 21:00	11.00	D	03		Drill 17 1/2" to 630'.
	21:00 - 23:00	2.00	D	04		TOOH & lay down pipe, DC & BHA
	23:00 - 01:00	2.00	D	12		Pick up and run 13 3/8" casing, Install float shoe & collar.
	01:00 - 03:30	2.50	D	14		RU Pro Petro Cement Crew, circulate casing and cement to surface. Rig down & clean up.
4/28/2008	07:00 - 21:00	14.00	D	01		RDMO on Sprouse Bowden & RU on Brotherson
4/29/2008	07:00 - 20:00	13.00	D	01		MIRU on Brotherson, Some things still moving off of the Sprouse Bowden
4/30/2008	06:00 - 18:00	12.00	D	01		MIRU on Brotherson, Some things still moving off of the Sprouse Bowden 10:00 4/29/08 Found out new Blocks that were delivered 4/28/08 wouldn't work with Bridle line adaptor. WO New Blocks. Trucks & Crain released @ 10:30 4/29/08 Continue Rigging up Gas Buster, Mud Lines, Set Choke Manifold
5/1/2008	06:00 - 18:00	12.00	DT	60		Clean Rig & WO Blocks Rigging up as much as possible
5/2/2008	06:00 - 10:30	4.50	DT	60		Clean Rig WO Blocks
	10:30 - 13:00	2.50	D	18		Pre Spud Meeting
	13:00 - 18:00	5.00	DT	60		Clean Rig & WO Blocks. @ 13:30 Blocke were 60 miles west of Denver & Still moving. West Bound lanes on I-70 were closed shortly after Blocks left the Port Should be on location by morning.
5/3/2008	06:00 - 07:00	1.00	DT	60		Clean & WO Blocks
	07:00 - 06:00	23.00	D	01		String up Blocks & RU. Crain Operator left @ 19:30 with 2-3 hours work left. Morining Tour rigged up floor & put up Wind walls. Crain Opreator supposed to be back this morning to finish up his part,
5/4/2008	06:00 - 18:00	12.00	D	01		RU Floor Plate, Pason Lines, Air lines, Hydraulic lines, PU Swivel, Kelly & Kelly sock, Rat hole off the width of the hole,
	18:00 - 06:00	12.00	DT	67		NU BOPE, PU Elevators, subs for BHA, Slips, tried to put Kelly sock in the Rat hole but wouldn't go, cut out part of one matting boarn, still would not go. PU Mud motor to redrill Rat hole, Jerry Johnson Brought out a XO sub & said we could cut out a brace in the sub to get the Kelly Sock in the existing hole, called out a welder @ 03:30 and cut it out Rat Hole Worked, Lay out part of the Flare lines, Put Turnbuckles on Diverter, LD Mud Motor. PU Bailes, Elevators,
5/5/2008	06:00 - 09:00	3.00	D	01		Moving BHA onto racks to strap, Fork Lift quit. Electric Fuel Pump went out.
	09:00 - 12:00	3.00	DT	60		Work on Fork Lift & Wo another one from Roosevelt.
	12:00 - 13:30	1.50	D	04		Sort, Rack & Starp BHA & put in Pason
	13:30 - 15:30	2.00	D	04		PU Bit, Mud Motor, IBS, & 1- DC
	15:30 - 16:30	1.00	D	04		Install Survey tool, had trouble getting it to seat in UBHO
	16:30 - 20:45	4.25	D	04		PU 3 DCS & Test Survey tool, Continue RIH W/ BHA to 551'
	20:45 - 22:30	1.75	D	13		Drill out cmt. f/ 551 to FC at 592' Drill out FC & 20 ' of cmt. down to 612'
	22:30 - 00:30	2.00	D	15		Rig in B & C Quick test Hold safety meeting Press. test casg. well head flanges, annular preventor, both inner and outer kill and choke line valves, choke line & all choke manifold valves Test pressures 300 psi low and 1000 psi high 10 min. duration
	00:30 - 01:30	1.00	D	13		Drill out cmt. and casg. shoe f/ 612' to 635'
	01:30 - 01:45	0.25	D	05		Blue star survey @ 605' .3 inc.
	01:45 - 02:15	0.50	D	03		Drill 12 1/4" hole f/ 635 to 667'
	02:15 - 02:45	0.50	D	08		Circ. well clean
	02:45 - 04:00	1.25	D	09		Conduct FIT test Unable to get any pressure build up at all Open annular preventor Fluid level 10' below flow line Top fill hole Fluid level dropping Form. won't hold hydrostic press. of 8.4 ppg water

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EL PASO PRODUCTION

Operations Summary Report

Legal Well Name: BROTHERSON 3-11B4
Common Well Name: BROTHERSON 3-11B4 — Spud Date: 4/22/2008
Event Name: DRILLING — Start: 4/22/2008 — End: 6/28/2008
Contractor Name: FRONTIER — Rig Release: 7/1/2008 — Group:
Rig Name: FRONTIER — Rig Number: 11

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/5/2008	04:00 - 04:30	0.50	D	03		Drill 12 1/4" HOLE F/ 667 TO 677'
	04:30 - 05:00	0.50	DT	57		Circ. Btms. up
	05:00 - 06:00	1.00	DT	57		POH with drlg. assembly
5/6/2008	06:00 - 07:00	1.00	DT	57		Finish TOH, LD Mud Motor
	07:00 - 09:30	2.50	DT	57		Strap DP F/ TIH to pump Cement plug @ 677', Tagged up 13' in on last Jt. LD that joint.
	09:30 - 11:00	1.50	DT	57		C&C, RU HES,hold safety meeting & pump balanced cement plug @ 667'. Pumped 10 BBL fresh water spacer,Mixed & pumped 165 SX of Class "A" W/ 2% Cacl2 & 1/4 PPS Polly -E- Flake. pumped @ 15.6 PPG, Yield 1.2 = 53.2 BBL of slurry. plug in place @ 11:03
	11:00 - 11:30	0.50	DT	57		TOH 5 stands, 275' above estimated TOC, Circ bottoms up to clear pipe & hole, finish TOH
	11:30 - 17:00	5.50	DT	57		WOC, Surface samples hard @ 15:00 gave it an extra 2 hrs to be sure before we RIH W/ Slicl line.
	17:00 - 18:00	1.00	DT	57		RU DElsco Silck line truck & check TOC. Cmt. top located at 420'
	18:00 - 20:15	2.25	DT	57		Run in hole with drlg. assembly to 420'
	20:15 - 21:30	1.25	DT	57		Lay down 5 - 61/2" Dc's Run in 1 std. out of derrick
	21:30 - 00:45	3.25	DT	57		Drill out hard cmt. f/ 420 to 677'
	00:45 - 01:15	0.50	DT	57		Circ. hole clean Obs. well No drop in annulus
	01:15 - 02:15	1.00	DT	57		Rig in IPS pressure testers Attempt to run FIT test Can get up to 230 psi , as long as your pumping at 5 gpm With pump off, press. drops off to 15 psi in 5 mins.
	02:15 - 02:45	0.50	D	03		Drill 12 1/4" hole f/ 677 to 686'
	02:45 - 03:15	0.50	DT	57		Circ. hole clean Obs. well Fluid dropping slowly in annulus
	03:15 - 06:00	2.75	DT	57		POH with drlg. assembly L / D 5 - 61/2" Dc's, Stab. & Mud motor
5/7/2008	06:00 - 06:30	0.50	DT	57		TOH, LD Mud Motor
	06:30 - 07:00	0.50	DT	57		TIH open ended, tag up @ 686'
	07:00 - 07:30	0.50	DT	57		Circ. Bottoms up, hold safety meeting W/ Pro Petro
	07:30 - 08:45	1.25	DT	57		Pump balanced plug, 20 bbl of fresh water ahead, 200 sx og "G" W/ 2% Cacl2 & !/4 PPS Flocele, mixed @ 15.8 ppg yield 1.15, = 40.96 bbl of slurry, pull 6 stand,, hook up ans squeeze 2 bbl of slurry into formation # .1 bpm @ 520 psi. shut down & Shut in W/ 500 PSI on Annulas.
	08:45 - 12:00	3.25	DT	57		WOC, Checked pressure on backside @ 12:00, "0" on 600 psi guage. opened annular, pull 1 stand, pu Mud Motor & bit
	12:00 - 13:45	1.75	DT	57		Checked pressure on backside @ 12:00, "0" on 600 psi guage. opened annular, pull 1 stand, pu Mud Motor & bit, RIH W/ BHA to 498', tagged green cement. LD 2 DCS, Kelly up & break Circ.
	13:45 - 16:30	2.75	DT	57		WOC.
	16:30 - 19:45	3.25	DT	57		Drill Cement F/ 498' - 686'
	19:45 - 21:00	1.25	DT	57		Circ. well clean Prepare to preform FIT test Obs. well Fluid dropping in annulus Hole taking 1/2 bbl. / hr.
	21:00 - 22:45	1.75	D	03		Drill 12 1/4" hole f/ 686' to 767'
	22:45 - 23:00	0.25	DT	65		Change out saver sub (washed pin end)
	23:00 - 23:15	0.25	D	06		Rig Ser. Work on liner wash system pump # 2
	23:15 - 04:15	5.00	D	03		Drill f/ 767' to 1150' Pumping 10 bbl. Hi Vis cal carb. sweeps every 30'
	04:15 - 04:30	0.25	D	05		Survey @982' inc. .8 Flow Ck. Hole taking 1/2 bbl. / hr.
	04:30 - 06:00	1.50	D	03		Acc. connection time
5/8/2008	06:00 - 13:30	7.50	D	03		Drill 1150' - 1993'
	13:30 - 14:00	0.50	D	06		Service rig, Check Crown-O- Matic, Function test Annular.
	14:00 - 15:00	1.00	D	03		Drill 1993' - 2120'
	15:00 - 15:30	0.50	D	03		Survey Time
	15:30 - 18:00	2.50	D	03		Connection time

EL PASO PRODUCTION

Operations Summary Report

Legal Well Name: BROTHERSON 3-11B4
Common Well Name: BROTHERSON 3-11B4 — Spud Date: 4/22/2008
Event Name: DRILLING — Start: 4/22/2008 — End: 6/28/2008
Contractor Name: FRONTIER — Rig Release: 7/1/2008 — Group:
Rig Name: FRONTIER — Rig Number: 11

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/8/2008	18:00 - 03:00	9.00	D	03		Drill 2120' - 2845' Pumping 5 bbl. Hi Vis cal. carb. sweeps every 30'
	03:00 - 04:00	1.00	DT	61		Survey Time (Bluestar survey tool not working)
	04:00 - 05:45	1.75	D	03		Connection Time
	05:45 - 06:00	0.25	D	08		Flow Ck. @ 2750' Hole taking 12 bph
5/9/2008	06:00 - 10:15	4.25	D	03		Drill 2845' - 3095',
	10:15 - 13:30	3.25	DT	61		Pump Hi Vis sweep, circ bottoms up, pull 2 stands, RU DCT Wireline truck, R&R Survey tool, Ceramic sleeve shattered in tool, Kelly up & test tool, Run back in hole. Flow Ck. while doing wireline work Well taking 14 bbls. / hr.
	13:30 - 14:30	1.00	D	03		Drill 3069' - 3127'
	14:30 - 15:00	0.50	D	06		Rig service
	15:00 - 15:15	0.25	DT	60		Replace Pop Off on # 1 pump
	15:15 - 16:30	1.25	D	03		Drill 3127' - 3283'
	16:30 - 17:30	1.00	D	03		Total Connection time
	17:30 - 18:00	0.50	D	05		Total Survey time.
	18:00 - 04:00	10.00	D	03		Drill 3283' - 3860'
	04:00 - 04:15	0.25	D	05		Total Survey time
	04:15 - 06:00	1.75	D	03		Total Connection time
5/10/2008	06:00 - 15:00	9.00	D	03		Drill 12 1/4" hole from 3860' to 4357'
	15:00 - 15:30	0.50	D	06		Rig Ser. Function annular preventor c / o 15 sec's
	15:30 - 16:00	0.50	D	03		Drill f/ 4357' to 4425'
	16:00 - 17:30	1.50	D	03		Acc. connection time
	17:30 - 18:00	0.50	D	05		Acc. survey time @ 3995' .9 inc. @ 4307' .8 inc. Flow Ck. Well taking 12 - 14 bph
	18:00 - 04:15	10.25	D	03		Drill 12 1/4 hole from 4425'- 4790'
	04:15 - 05:00	0.75	D	08		Condition mud, build volume
	05:00 - 06:00	1.00	D	03		Total connection time
5/11/2008	06:00 - 08:15	2.25	D	03		Drill 12 1/4" hole f/ 4790' to 4862'
	08:15 - 08:45	0.50	D	05		Flow check & survey 4812' 0.6 inc.
	08:45 - 15:15	6.50	D	03		Drill 12 1/4' hole 4862' to 5053'.
	15:15 - 15:45	0.50	D	06		Rig service
	15:45 - 17:00	1.25	D	03		Drill 12 1/4" hole 5053' to 5084'
	17:00 - 18:00	1.00	D	03		Total connection time
	18:00 - 01:15	7.25	D	03		Drill 12 1/4 hole 5084' to 5231'. penitration rate slowing down, rotary torquing up,
	01:15 - 01:45	0.50	D	03		Total connection time
	01:45 - 03:15	1.50	D	08		Circulate and condition hole. Pump sweep.
	03:15 - 03:30	0.25	D	04		Flow check. Fluid dropped 3' in 10 minutes
	03:30 - 04:45	1.25	D	04		Lay down 23 singles
	04:45 - 06:00	1.25	D	04		Wiper trip to casing shoe. Strap out.
5/12/2008	06:00 - 07:30	1.50	D	04		Cont. POH up to casg. shoe One tight spot at 1823' Flow Ck. Hole taking 4 bph
	07:30 - 09:45	2.25	D	04		RIH to 5065'
	09:45 - 10:45	1.00	D	07		Wash f/ 5065 to 5231' Soft fill
	10:45 - 13:15	2.50	D	08		Circ. cond. mud and hole Pump around 30 bbl. hi vis sweep
	13:15 - 16:30	3.25	D	04		Pump trip pill POH to Dc's Flow ck. Well taking 2 bph
	16:30 - 17:15	0.75	D	12		Rig in Frank's Westates pipe handler Hold safety meeting
	17:15 - 19:15	2.00	D	04		L / D 8 - 8" Dc's, drlg. jars, UBHO sub & mud motor @ One blade missing off of bit
	19:15 - 21:00	1.75	D	12		Rig in Frank's Westates power tongs Hold safety meeting
	21:00 - 00:30	3.50	D	12		Make up 9 5/8 float guide shoe and float collar and run 9 5/8"casing
	00:30 - 01:00	0.50	D	12		Fil casing and strap bottom roll casing.

EL PASO PRODUCTION

Operations Summary Report

Legal Well Name: BROTHERSON 3-11B4
Common Well Name: BROTHERSON 3-11B4
Event Name: DRILLING
Contractor Name: FRONTIER
Rig Name: FRONTIER

Start: 4/22/2008
Rig Release: 7/1/2008
Rig Number: 11

Spud Date: 4/22/2008
End: 6/28/2008
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/12/2008	01:00 - 04:00	3.00	D	12		Run 112 jts 9 5/8' N-80 LT&C casing to be landed at 5226 ft kb.
	04:00 - 06:00	2.00	D	07		39' fill. Rig up and circulate to bottom
5/13/2008	06:00 - 06:30	0.50	D	08		Wash casg. 39' down to 5226'
	06:30 - 08:30	2.00	D	08		Circ. cond. mud and hole prior to cmt'g
	08:30 - 11:00	2.50	DT	68		Cont. circulating while waiting on Halliburton Rig out pipe handler & power tongs while circulating
	11:00 - 12:00	1.00	D	14		Rig in HOWCO Hold safety meeting Cont. circulating while mixing cacl2 spacer
	12:00 - 16:30	4.50	D	15		Cmt'd casg. with 10 bbls. cacl2 spacer, 10 bbls. fresh water, 20 bbls. super flush wt'd to 9.1 ppg, 10 bbls. fresh water, 765 sx ECONOCEM V2 SYSTEM wt'd to 11 ppg followed by 290 sx Premium cmt. wt'd to 15.8 ppg displaced cmt. w/ 10 bbls. fresh water & 382.6 bbls. 9.1 ppg drlg. mud Good returns thru out cmt'g & displacing Reciprocated casg. 15' thru out cmt. job Plug down @ 16:30 hrs. May 12 / 08 Had 157 bbls. cmt. returns Floats held ok No drop in annulus Float Shoe @ 5226' Float collar @ 5177' NROGM Rep Dennis Ingram on location.
	16:30 - 21:45	5.25	D	14		W O C Rig out Halliburton
	21:45 - 04:00	6.25	D	10		Cut conductor & surface csg. Weld on bowl.
	04:00 - 06:00	2.00	D	10		Niple up BOP'
5/14/2008	06:00 - 11:30	5.50	D	15		Cont. nipple up 11" 10M BOP & manifold system Btm. to top Casg. bowl, B - section, lower pipe rams, mud cross, blind rams, top pipe rams, annular preventor, rotating head
	11:30 - 18:30	7.00	D	09		Set in 11" weatherford test plug Press. test lower pipe rams, upper pipe rams, annular preventor, both inner & outer choke & kill line valves, choke line & all choke manifold valves, blind rams, upper & lower kelly cocks, stabbing valve & inside bop Test pressures 300 psi low and 5000 psi high 10 min. duration Casg. to 1500 psi for 30 min. Conduct 5 function test with accumulator shut off Final acc. press. 1200 psi Recharge to 2500 psi in 2 min. 35 sec's
	18:30 - 19:00	0.50	D	10		Install wear bushing
	19:00 - 19:45	0.75	D	15		Install rotating head extension Tighten turn buckles Clean up cellar area
	19:45 - 22:30	2.75	DT	58		Make up used 8.3/4" FDS+, bit sub 5 - 6 1/2" DC, Jars, 10 - 6 1/2" 6 - 4 1/2" HWDP.
	22:30 - 23:00	0.50	D	04		Safety meeting with rig crew.
	23:00 - 01:45	2.75	DT	58		TIH. strap in.
	01:45 - 02:15	0.50	DT	58		Kelly up and Fill pipe.
	02:15 - 04:00	1.75	D	13		Tag cement at 5165 ft kb. drill cement to 5170 ft drill out float collar. Wash from float collar down to Float shoe. one to two cement stringers (not much weight, flicker). Drill out out Float collar from 5217 ft to 5218 ft. circulate down to 5220 ft tag and drill out to 5222 ft. (not much weight). circulate down tag bottom at 5228 ft
	04:00 - 06:00	2.00	D	03		Drill from 5228 ft to 5241 ft. (no torgue with rotary table. had not tagged missing blade from PDC)
5/15/2008	06:00 - 06:30	0.50	D	03		Drill 8 3/4" hole f/ 5240' to 5241'
	06:30 - 07:15	0.75	DT	58		Circ. hole clean
	07:15 - 09:30	2.25	DT	65		Conduct FIT test Got up to 900 psi, then PTO went out of press. test truck Waited till 0930 hrs. on replacement test unit
	09:30 - 11:30	2.00	DT	58		Trip out of hole up to 1200' while waiting on test unit
	11:30 - 12:30	1.00	D	09		Cont. with FIT test Form. started taking fluid at 1100 psi mud wt 9.1 ppg Frac gradient of .68 psi / ft
	12:30 - 15:00	2.50	DT	58		Cont. POH w/ mill tooth bit
	15:00 - 17:45	2.75	D	04		Make up 8 3/4" Reed DSX 616-F1, 6 1/2" 7/8 lobe 3 stage National motor

EL PASO PRODUCTION

Operations Summary Report

Legal Well Name: BROTHERSON 3-11B4
Common Well Name: BROTHERSON 3-11B4 — Spud Date: 4/22/2008
Event Name: DRILLING — Start: 4/22/2008 — End: 6/28/2008
Contractor Name: FRONTIER — Rig Release: 7/1/2008 — Group:
Rig Name: FRONTIER — Rig Number: 11

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/15/2008	15:00 - 17:45	2.75	D	04		set at 1.15* Shallow test MWD
	17:45 - 19:00	1.25	D	04		RIH with bit # 2
	19:00 - 19:45	0.75	D	04		Transfer mud to premix, prepare to circ, reserve pit
	19:45 - 20:00	0.25	D	04		TIH with bit # 2.
	20:00 - 20:30	0.50	D	08		Kelly up and fill pipe.
	20:30 - 21:15	0.75	D	04		TIH with bit #2
	21:15 - 21:45	0.50	D	08		Kelly up and fill pipe
	21:45 - 22:00	0.25	D	07		Wash to bottom.(5191-5241 ft)
	22:00 - 04:45	6.75	D	03		Drill ahead with 8 3/4 in PDC 5241-
	04:45 - 05:30	0.75	D	03		Connection time
	05:30 - 06:00	0.50	D	05		Survey time
5/16/2008	06:00 - 08:00	2.00	D	03		Drill 8 3/4" hole f/ 5597' to 5660'
	08:00 - 08:30	0.50	D	03		Install rotating head rubber / center bop's
	08:30 - 15:00	6.50	D	03		Drill ahead with 8 3/4 PDC, F/ 5660'-5902'
	15:00 - 15:30	0.50	D	06		Rig service
	15:30 - 16:45	1.25	D	03		Drill ahead with 8 3/4 PDC F/ 5902'-5973' Back ground gas from 360 units to 5700 units (5870' to 5934') Flare 5' to 10'
	16:45 - 17:00	0.25	D	05		Survey time
	17:00 - 18:00	1.00	D	03		Connection time
	18:00 - 01:45	7.75	D	03		Drill ahead with 8 3/4 PDC, F/ 5973'- 6410' Slide from 6186' - 6200', 6286' - 6316', 6316'- 6329'. Gas units 409. 5' to 10 Flare.
	01:45 - 02:00	0.25	DT	55		Flow check. Well flowing 428 bbls per hr. shut well in.
	02:00 - 03:45	1.75	DT	55		Transfer mud over to 1 suction tank. Circulate 9.4 ppg mud into well. circulate through choke.
	03:45 - 04:45	1.00	D	08		Accumulated surveys
	04:45 - 06:00	1.25	D	03		connection time.
5/17/2008	06:00 - 11:00	5.00	DT	57		Build 450 bbls. 9.4 ppg drlg. mud (no lcm) Pumped 398 bbls. mud (first 650 stks. 54 bbls.) no returns Dp press. 750 - 800 psi Annulus press. 150 - 200 psi Shut down to build volume SIDPP 0 SICP 80 No sign of mud back to surface
	11:00 - 15:00	4.00	DT	57		Build 450 bbls. 9.4 ppg drlg. mud Pump 50 bbl. hi vis pill w/ 12 ppb lcm, displaced w/ 111 bbls. drlg. mud Took 850 stks. (72 bbls.) to fill dp No returns at all for first 150 bbls. mud, then pressures slowlly increased Dpp 600 - 800 psi Cp 0 - 250 psi, dropping to 170 psi Shut down pump when pill was displaced out of drill string No sign of drlg. mud for returns
	15:00 - 18:00	3.00	DT	57		Mixed up 65 bbls. 9.4# mud w/ 12# / bbl. lcm & 70% cal carb 500, 20% cal carb 250 & 10% cal carb 40 At start of pumping pill Dpp 0 psi Casg. press 77 psi Pumped 65 bbl. pill, displaced with 111 bbls. mud Took 85 stks. (7 bbls.) to fill dp No returns for first 78 bbls. Dpp went from 600 to 800 psi at end of displacement Casg. press. 77 - 250 psi Shut down pump Casg. press. gradually dropped to 102 psi No sign of drlg. mud back to surface
	18:00 - 19:00	1.00	DT	57		W O lost circ. material to heal form.
	19:00 - 19:15	0.25	DT	57		Have trace of mud return, open well, check for flow. 4 gals. in 6 1/2 min. second check 4 gals in 2 1/2 min. shut well in.
	19:15 - 20:45	1.50	D	08		Prepare mud to 9.1 ppg, 50 vis,
	20:45 - 22:00	1.25	D	08		Circulate 9.2 ppg 50 vis through choke. Good returns some loss. Open bag. Prepare to drill. Some oil staining in shacker box. Mud returns 8.7 ppg 34 vis.
	22:00 - 02:15	4.25	D	03		Drill ahead with 8 3/4 in PDC. F/ 6410' - 6515' (1# pump down change out 2 sets. from 6500' to 6650')
	02:15 - 02:45	0.50	DT	57		Build volume

EL PASO PRODUCTION

Operations Summary Report

Legal Well Name: BROTHERSON 3-11B4
Common Well Name: BROTHERSON 3-11B4 — Spud Date: 4/22/2008
Event Name: DRILLING — Start: 4/22/2008 — End: 6/28/2008
Contractor Name: FRONTIER — Rig Release: 7/1/2008 — Group:
Rig Name: FRONTIER — Rig Number: 11

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/17/2008	02:45 - 05:30	2.75	D	03		Drill ahead 6515'-6650'. total mud loss while drilling 648 bbls. (From 6410-6527' loss at 133 bbls/hr. from 6519-6650' loss at 30 bbls/hr
	05:30 - 06:00	0.50	DT	55		circulate bottoms up. befor trip out of hole.
5/18/2008	06:00 - 07:45	1.75	DT	55		Circ. btms. up
	07:45 - 14:15	6.50	DT	55		Pump trip pill POH Flow ck. 6650', 4114', 914',OOH Well static Pulled MWD & L/D motor Appears lost blade from previous PDC has done some damage to center of bit #2
	14:15 - 15:00	0.75	DT	55		Measure 26 jts. 2 7/8 fibre glass tubing & 2- xo subs Length @761.67'
	15:00 - 22:30	7.50	DT	55		Make up tubing Run in hole on 5" dp (measure in) SLM 4.15' Long, no correction washed 95' to bottom, landed tbg @ 6633'
	22:30 - 23:00	0.50	DT	55		Circ & RU HES Held safety meeting W/ HES & Rig hands
	23:00 - 00:15	1.25	DT	55		Test lines to 3K, Pump 10 BBL of Fresh water, 20 BBL 0f 3% Cacl2, 10 BBL of fresh water, 20 BBL of Super flush @ 9.2 PPG, 10 BBL of fresh water. Mix & pump 275 Sx of Premium Cement, Mixed @ 15.8 PPG, yield 1.15, Displace W/ 5 BBL of fresh water & 95 BBL of mud @ 9.2 PPG.
	00:15 - 02:30	2.25	DT	55		Pull 13 stands to get out of the cement, flowing back pretty good @ 9 stands out. 1 foot over the Tool Joint by 13 stands. Kelly up & clear DP, hole static at this time.
	02:30 - 03:15	0.75	DT	55		RU HES, close Annular, pump 12 BBL of mud down DP for squeeze, @ 2 BPM pressure climbed slowly to 190 PSI, broke back to 150 PSI and build back to 160 PSI by 12 BBL away, didn't catch pressure until 1.8 BBL away at the start,put 9 BBL into formation. RD HES.
	03:15 - 04:45	1.50	DT	55		Circ & Clear hole.
	04:45 - 06:00	1.25	DT	55		Pump pill & TOH W/ Pipe Spinners
5/19/2008	06:00 - 07:30	1.50	DT	55		Cont. POH with 2 7/8" tubing Well static
	07:30 - 09:30	2.00	DT	55		L / D 26 jts. fiber glass tubing Rig out handling tools
	09:30 - 10:30	1.00	DT	55		Clean up drill floor & cellar area
	10:30 - 12:00	1.50	DT	55		Extend flair lines & ignitor out 30' (125' from W / C)
	12:00 - 14:00	2.00	DT	55		Make up PDC bit, motor, ubho sub, 2 monel dc's & TBR Shallow test MWD
	14:00 - 18:30	4.50	DT	55		RIH with bit # 3 to shoe
	18:30 - 20:45	2.25	DT	55		Slip & cut Drilling line 256'
	20:45 - 21:30	0.75	DT	55		TIH, tag cement @ 5887', Kelly up & break Circ.
	21:30 - 23:30	2.00	DT	55		LD 21 jts DP., RIH w/ 7 stands.
	23:30 - 01:15	1.75	DT	55		Drill cement F/ 5887' - 6060', ran out of mud, started W/ 330 BBL, lost down to 203 BBL 127 BBL, mostly over shakers.
	01:15 -		DT	65		Bos Premix down, Yellow Dog Down, Dodge coupling broken.Trying to get water truck out to transfer mud. Build Volume. Mud @ 05:45 Cont. POH with 2 7/8" tubing Well static L / D 26 jts. fiber glass tubing Rig out handling tools Clean up drill floor & cellar area Extend flair lines & ignitor out 30' (125' from W / C) Make up PDC bit, motor, ubho sub, 2 monel dc's & TBR Shallow test MWD RIH with bit # 3 to shoe Slip & cut Drilling line 256' TIH, tag cement @ 5887', Kelly up & break Circ. LD 21 jts DP., RIH w/ 7 stands. Drill cement F/ 5887' - 6092', ran out of mud, started W/ 330 BBL, lost down to 203 BBL 127 BBL, mostly over shakers. Bos Premix down, Yellow Dog Down, Dodge coupling broken.Trying to get water truck out to transfer mud. Build Volume. Mud @ 05:45, Vls:
5/20/2008	06:00 - 06:30	0.50	DT	55		Circ. conditioning mud & build volume

EL PASO PRODUCTION

Operations Summary Report

Legal Well Name: BROTHERSON 3-11B4
Common Well Name: BROTHERSON 3-11B4 — Spud Date: 4/22/2008
Event Name: DRILLING — Start: 4/22/2008 — End: 6/28/2008
Contractor Name: FRONTIER — Rig Release: 7/1/2008 — Group:
Rig Name: FRONTIER — Rig Number: 11

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/20/2008	06:30 - 15:30	9.00	DT	55		Drill medium to hard cmt. f/ 6060' to 6650' Taking MWD surveys every 75' to verify that we were staying on cmt. plug No noticeable down hole losses
	15:30 - 16:00	0.50	D	03		Drill 8 3/4" hole f/ 6650 to 6663'
	16:00 - 16:30	0.50	D	06		Rig ser. Function upper pipe rams c / o 3 sec's Ck. crown saver
	16:30 - 23:00	6.50	D	03		Drill f/ 6663' to 6904', Slides @ 6667-6682, 6695-6710,6725-6740, 6757-6775, 6788-6809, 6851-6882,& 6883 - 6903.
	23:00 - 00:15	1.25	D	03		Survey Time
	00:15 - 00:45	0.50	D	03		Connection time
	00:45 - 01:00	0.25	DT	62		String pressured up, unable to work any thing loose
	01:00 - 04:30	3.50	DT	62		TOH 10 stands, check F/ flow, flowing 21 BPH. hole taking about 50% of the fluid it should be taking, filling hole from top and pulling pipe a fast as we could, pipe dried up @ the top of the DCS, Motor locked up. Stater Rubber in Bit, 6 chipped cutters on bit will change it out.
	04:30 - 06:00	1.50	DT	62		PU new Natiolal Motor. SICP after 1 hour 110 PSI KMW 9.0 @ 6904'
5/21/2008	06:00 - 08:30	2.50	DT	62		Bleed off well bore press. thru casg. bowl valve (73 psi) Well flowing at 12 bph Open blind rams Make up New 6 1/2" mud motor (set housing at 1.15*) Rescribe tool Shallow test Mwd
	08:30 - 18:00	9.50	DT	62		RIH to 6807' Fill Dp at 3000' & 5200' Ck. MWD RIH to 6807' Well started flowing gradually increasing to 400 bph Kelly up and start circ. After pumping 325 bbls. 9.3 ppg mud, started seeing water cut mud comming back. Flow had decreased considerably Shut well in while transfering mud from premix to active system (After 15 min 73 psi) Started pumping After 69 stks. pump press. climbed to 2100 psi & blew pop valve on mud pump ! ! Unable to circ. Work string, attempt to brk. circ. Unable to circ. Shut in annulus press. 73 psi Open well up to ck. on flow rate Flowing at 21.5 bph Shut well back in while building 14ppg mud to fill annulus while tripping out
	18:00 - 21:30	3.50	DT	62		WT up pill tank to 14.0 PPG F/ TOH
	21:30 - 02:00	4.50	DT	62		Safety Meeting TOH filling hole W/ 14.0 PPG mud, no flow after 10 stands pulled. pull to 3522', check F/ flow, no flow. after 15 min took 3.3 BBL (40) Stks to fill hole. Continue TOH, filling hole W/ 9.5 PPG mud from Premix.
	02:00 - 04:00	2.00	DT	67		MWD packed off with cement in Monel, broke Monel @ top of UBHO, haven't been able to pull MWD out of Monel. Break MWD @ joint @ UBHO to LD MWD, break off UBHO & clean out. Break off bit & pump through motor . nothing on top of float.
	04:00 - 06:00	2.00	DT	67		LD Motor, clean floor, PU new Motor, new UBHO,adjust bend to 1.15*, install MWD
5/22/2008	06:00 - 08:15	2.25	DT	67		Cont. making up motor (set at 1.15*) & MWD Shallow test same Make up PDC bit
	08:15 - 16:30	8.25	DT	67		R I H w/ bit # 4 Fill dp & circ. dp cap. at 3000' & 5200' While running in hole 90% of the time there were no returns At casg. shoe, mixed up 65 bbl. Hi vis Lcm pill While pumping lcm pill had no returns Displaced pill out of drill string with 89 bbls. 9.4 ppg drlg. mud Started getting returns shortly after lcm pill was in open hole Continue circulating watching for any sign of water flow or losses to form . Every thing looks good at present
	16:30 - 17:30	1.00	DT	67		Cont. R I H f/ 5200' to 6784'
	17:30 - 18:00	0.50	DT	67		Brk. circ. Change shaker screens.
	18:00 - 18:45	0.75	DT	67		Clean pit #3, C&C
	18:45 - 20:00	1.25	DT	67		W&R 6784' - 6904' no noticable fill
	20:00 - 20:15	0.25	DT	67		Check shot survey
	20:15 - 20:30	0.25	DT	65		Replace gasket on mud line from mud pump to Vibrating hose.

EL PASO PRODUCTION

Operations Summary Report

Legal Well Name: BROTHERSON 3-11B4
Common Well Name: BROTHERSON 3-11B4 — Spud Date: 4/22/2008
Event Name: DRILLING — Start: 4/22/2008 — End: 6/28/2008
Contractor Name: FRONTIER — Rig Release: 7/1/2008 — Group:
Rig Name: FRONTIER — Rig Number: 11

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/22/2008	20:30 - 03:45	7.25	D	03		Drill 6904' - 7345', 441', 60.8 FPH. WOB 30-33K, RPM on surface 40-60, RPM on Motor 75, @ 500 GPM
	03:45 - 05:00	1.25	D	03		Connection Time
	05:00 - 06:00	1.00	D	03		Survey Time
5/23/2008	06:00 - 15:15	9.25	D	03		Drill 8 3/4" hole f/ 7345' to 7709'
	15:15 - 15:45	0.50	D	06		Rig Ser. Function annular preventor c / o 14 sec's Bop drill Well secure in 82 sec's
	15:45 - 16:15	0.50	D	03		Drill f/ 7709' to 7732'
	16:15 - 16:45	0.50	D	05		Acc. survey time
	16:45 - 18:00	1.25	D	03		Acc. connection time
	18:00 - 18:30	0.50	D	03		Drill 7732' - 7740'
	18:30 - 18:45	0.25	DT	60		Repair leak on Pipe Spinners
	18:45 - 05:15	10.50	D	03		Drill 7740' - 7880', 140', 13.3 FPH, WOB 35-36K, RPM on surface 30, RPM on motor 53, working W/ WOB & RPM F/ best ROP
	05:15 - 05:30	0.25	D	03		Survey Time
	05:30 - 06:00	0.50	D	03		Connection Time
5/24/2008	06:00 - 14:45	8.75	D	03		Drill 8 3/4" hole f/ 7880' to 7961'
	14:45 - 15:15	0.50	D	06		Rig Ser. Function upper pipe rams c / o 4 sec's
	15:15 - 17:15	2.00	D	03		Drill f/ 7961 to 8009'
	17:15 - 17:30	0.25	D	05		Deviation Survey @ 7881' 1.3* az 174.4
	17:30 - 18:00	0.50	D	03		Acc. connection time
	18:00 - 01:15	7.25	D	03		Drill 8009' - 8119', 110', 15.17 FPH, WOB 35-36K, RPM on surface 45, RPM down hole 62
	01:15 - 01:30	0.25	D	05		Survey @ 8071.01 1.6* @ 172.4
	01:30 - 05:30	4.00	D	03		Drill 8119' - 8179', 60', 15.17 FPH.Parameters same as above
	05:30 - 06:00	0.50	D	03		Connection time
5/25/2008	06:00 - 13:00	7.00	D	03		Drill 8 3/4" hole f/ 8179' to 8278'
	13:00 - 13:30	0.50	D	06		Rig Ser. Function lower pipe rams c / o 4 sec's
	13:30 - 14:00	0.50	D	15		Change out rotating head rubber
	14:00 - 17:15	3.25	D	03		Drill f/ 8278 to 8300'
	17:15 - 17:30	0.25	D	05		Deviation survey @ 8230' 1.9* az 171.8
	17:30 - 17:45	0.25	D	03		Acc. connection time
	17:45 - 18:15	0.50	D	08		C&C, Mix & pump pill.
	18:15 - 23:30	5.25	D	04		TOH F/ new bit. Check F/ flow @ BHA, well static. LD TBR, Motor & Bit
	23:30 - 02:30	3.00	D	04		PU new motor, bend to 1.15*, shallow test tool, first test failed, pull tool & check it out, tool didn't seat in Mile Shoe, scared tool, filed it down and re seated it, worked fine.
	02:30 - 06:00	3.50	D	04		PU Bit, PBL sub, TBR, & TIH fill pipe @ 3697', TIH
5/26/2008	06:00 - 08:30	2.50	D	04		Cont. R I H w / bit # 5 to 8038' Fill dp at 5140', 6545', 7944'
	08:30 - 09:15	0.75	D	07		Wash f/ 8038' to 8300' No fill on btm. Hole in good cond. on trip in hole Had 1821 units gas on btms. up after trip
	09:15 - 13:00	3.75	D	03		Drill 8 3/4" hole f/ 8300' to 8328' Bit drilled fairly good f/ 8300' to 8320' From 8320' to 8328' Bit got slower & slower, comming to a complete halt by 8328' Tried various bit wt's, rpm's and pump speeds Unable to get bit to drill Sample at @ 8328' 40% Sand stone / Quartz, 30% Siltstone / Limestone, 30% Shale No mud losses since back on btm.
	13:00 - 13:45	0.75	D	08		Circ. btms. up Pump trip pill
	13:45 - 18:45	5.00	D	04		P O H w/ bit # 5, LD PBL, TBR & Bit
	18:45 - 00:45	6.00	D	04		PU New Bit #6, PBL, TBR, & TIH, fill pipe & circ @ the shoe, test MWD, TIH
	00:45 - 01:30	0.75	D	07		Fill pipe , W&R 22' to bottom, no fill.
	01:30 - 06:00	4.50	D	03		Drill 8328' - 8380', WOB 45K, RPM on surface 50, RPM on motor 63, 425 GPM @ 1800 PSI

EL PASO PRODUCTION

Operations Summary Report

Legal Well Name: BROTHERSON 3-11B4
Common Well Name: BROTHERSON 3-11B4 — Spud Date: 4/22/2008
Event Name: DRILLING — Start: 4/22/2008 — End: 6/28/2008
Contractor Name: FRONTIER — Rig Release: 7/1/2008 — Group:
Rig Name: FRONTIER — Rig Number: 11

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/27/2008	06:00 - 13:30	7.50	D	03		Drill 8 3/4" hole f/ 8380' to 8508' Drilled f/ 8380' to 8495' avg. 20' / hr. From 8495' to 8508' avg. 9.7' / hr.
	13:30 - 14:00	0.50	D	06		Rig Ser. Function upper pipe rams c / o 4 sec's
	14:00 - 17:30	3.50	D	03		Drill f/ 8508' to 8520' (Slid f/ 8505 to 8511') At 8514' pumped 10 bbl. 10# / bbl. cal carb. 1000 pill Appears bit could be balling up, or possibility of to hard a bit Sample at 8502' 80% Siltstone, 10% Marl, 10% Shale w/ trace of Quartz
	17:30 - 17:45	0.25	D	05		Acc. survey time
	17:45 - 18:00	0.25	D	03		Acc. connection time
	18:00 - 05:30	11.50	D	03		Drill 8520' - 8666', 146', 12.69 FPH, WOB 40-46, RPM on surface 50-60, RPM down hole 62-67, GPM 418 - 453. Pumping Cal Carb/Nut Shell sweeps ea. 30 min. or as needed. Starting to see 1-3% slough on shakers, some peices 1 1/2" X 3/4" X 1/16". Lithology @ 8600' 70% sh, 20% Marlstone, 10% Sltst all moderatly soft.
	05:30 - 05:45	0.25	D	03		Connection time
	05:45 - 06:00	0.25	D	03		Survey Time
5/28/2008	06:00 - 14:30	8.50	D	03		Drill 8 3/4" hole f/ 8666' to 8794'
	14:30 - 15:00	0.50	D	06		Rig Ser. Function lower pipe rams c / o 4 sec's Ck. crown saver
	15:00 - 17:45	2.75	D	03		Drill f/ 8794' to 8825'
	17:45 - 18:00	0.25	D	03		Acc. connection time
	18:00 - 18:45	0.75	D	08		C&C, mix & pump trip pill
	18:45 - 01:15	6.50	D	04		TOH, Flow check @ 6265', flowing @ 1.95 BPH, 5 min later flowing @ .48 BPH, pull 5 stands & fill hole, Flow check, well static. 30 min Flow check @ 5049', well static. flow check @ BHA, well static. LD TBR, PBL, & pull MWD,LD Bit.
	01:15 - 04:30	3.25	D	04		PU new bit, MWD, new TBR, PBL, & TIH 30 stands, fill pipe, TIH to Shoe.
	04:30 - 05:45	1.25	D	06		Slip & cut 21 wraps of Drilling line, 140'
	05:45 - 06:00	0.25	D	04		Fill Pipe & check MWD
5/29/2008	06:00 - 07:45	1.75	D	04		Cont. R I H w/ bit # 7 to 8685' Fill dp at 5425', 8206'
	07:45 - 08:45	1.00	D	07		Wash f/ 8685' to 8825' No fill on btm. Had 1064 units gas on btms. up after trip
	08:45 - 12:00	3.25	D	03		Drill 8 3/4" hole f/ 8825' to 8900'
	12:00 - 12:30	0.50	DT	65		Blew pop valve Work tight hole at 8900'
	12:30 - 14:00	1.50	D	03		Drill f/ 8900' to 8984' (slide f/ 8890 to 8900')
	14:00 - 14:30	0.50	D	06		Rig Ser. Function annular preventor c / o 14 sec's
	14:30 - 15:30	1.00	D	03		Drill f/ 8984' to 9016'
	15:30 - 15:45	0.25	D	03		Get # 2 pump back on line after changing liners to 5" (bleed air from mud pump)
	15:45 - 16:45	1.00	D	03		Drill f/ 9016' to 9080'
	16:45 - 17:30	0.75	D	05		Acc. survey time
	17:30 - 18:00	0.50	D	03		Acc. connection time
	18:00 - 03:30	9.50	D	03		Drill 9080' - 9720' #1 pump on line @ 9211' Slides 9140' - 9160', 9175' - 9195', 9208' - 9227'
	03:30 - 04:15	0.75	D	03		Survey time
	04:15 - 06:00	1.75	D	03		Connection time
5/30/2008	06:00 - 12:00	6.00	D	03		Drill 8 3/4" hole f/ 9720 to 10340' Had 8032 units gas on btms. up f/ 10205'
	12:00 - 12:15	0.25	D	03		BOP drill Well secure in 80 sec's Flow Ck. Well static
	12:15 - 13:00	0.75	D	03		Drill f/ 10340 to 10371' (Slide f/ 10152 - 10173', 10184 - 10204')
	13:00 - 13:30	0.50	D	06		Rig Ser. Function top pipe rams c / o 4 sec's
	13:30 - 14:45	1.25	D	03		Drill f/ 10371 to 10480' Bk. grd. gas has increased f/ 180 units to 1100 units since 10205'

EL PASO PRODUCTION

Operations Summary Report

Legal Well Name: BROTHERSON 3-11B4
Common Well Name: BROTHERSON 3-11B4 — Spud Date: 4/22/2008
Event Name: DRILLING — Start: 4/22/2008 — End: 6/28/2008
Contractor Name: FRONTIER — Rig Release: 7/1/2008 — Group:
Rig Name: FRONTIER — Rig Number: 11

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/30/2008	14:45 - 15:45	1.00	D	05		Acc. survey time
	15:45 - 18:00	2.25	D	03		Acc. connection time
	18:00 - 18:45	0.75	D	03		Drill 10480' - 10539', lost complete returns
	18:45 - 02:30	7.75	DT	57		Pumping Cal Carb sweeps W/ a little Sawdust @ SPR until we ran out of mud, Daylights pumped over 275 bbl of 12.1 PPG mud in 27 Min. Mud hand said he had 370 BBL in Premix when they started pumping but can only account for 275 pumped over. Mix mud & build volume. Circ W/ full returns as far as we can tell, pumps @ 90 SPM ea. Scott Allen (Mud Engineer) says we were loosing 33 BPH to cuttings retention & new hole made, hole taking about 3 BPH so used 206 BBL of premix keeping up with this through the day. dumped 260 BBL cleaning sand trap to fix riser, (Cable broke). Brought over 275 BBL of premix to raise WT and build volume, I can't account for the other 100 BBL. Volume @ 14:00 = 589 BBL, 16:15 = 543, -46 BBL, 16:26= 616 BBL, +73 BBL, 17:25 =597 BBL, -19 BBL, 17:29 + 337 BBL, dumped 260 BBL, 18:50= 465 BBL,Mixing sweep in pill tank, 19:55 stopped drilling with 118 BBL total Volume.
	02:30 - 02:45	0.25	D	03		Drill 10539' - 10562', 11 min. drilling, loosing 354 BPH while drilling. Stopped drilling to build volume
	02:45 - 04:30	1.75	DT	57		C&C, build volume, loosing 65 bph while circ @ 75 SPM. Lost 59 BBL from 03"00 - 04:00. pumping 5 BBL of 100 PPB Calcarb sweep every 15 min.
	04:30 - 05:30	1.00	DT	57		Losses have slowed to nearly nothing, letting hole heal before going back to drilling
	05:30 - 05:45	0.25	DT	57		Survey @ 10514.68' 1.5, 186.5
	05:45 - 06:00	0.25	D	03		10562' - 10589'
5/31/2008	06:00 - 06:15	0.25	D	03		Drill 8 3/4" hole f/ 10589 to 10594' Losses increased dramaticaly
	06:15 - 12:00	5.75	DT	57		Build & pump 70 bbl. cal. carb. sweeps (90 ppb.) every 45 min No significant sign in reducution of losses Start adding 10 sx sawdust, 1 sx fine walnut hulls & 1sx fiber seal every 15 mins. in suction tank At 1000 hrs. pumped 70 bbls. Cal. Carb. sweep with 100 ppb various sizes of cal. carb. Circulating at 50 spm (118 gpm) Losses gradually slowing down By 1130 hrs. well looked near static Bring pump stks. up to 80 spm, no increase in losses Approx. lcm in system not including cal carb. 2-3 % Cont. circ. bypassing shaker
	12:00 - 17:00	5.00	D	03		Drill f/ 10594 to 10855' Drill ahead with 10 - 15 bph losses Bk. grd. gas 3000 - 3800 units
	17:00 - 17:45	0.75	D	03		Acc. connection time
	17:45 - 18:00	0.25	D	05		Acc. survey time
	18:00 - 20:15	2.25	D	03		Drill 10885' - 10897'
	20:15 - 23:15	3.00	D	08		Circ bottoms up, Spot LCM pill on bottom mix & pump trip pill at the same time. pump BB of 100 PPB Cal Carb, BBL of mud spacer, & 30 BBL of trip pill
	23:15 - 06:00	6.75	D	04		TOH, Pull 10 stands, 15 min Flow check, Well static, Flow Check @ 8246, hole not taking fluid. well static @ 10 min. Flow check @ 5257, & @ BHA no flow. LD TBR.
6/1/2008	06:00 - 09:00	3.00	D	04		Cont. POH Change out mud motors Ser. and Ck. out MWD
	09:00 - 09:30	0.50	D	06		Rig Ser. Function blind rams c / o 4 sec's Ck. crown saver
	09:30 - 14:15	4.75	D	08		RIH w/ bit # 8 Fill dp at 2500' and circ. btms. up at casg. shoe 5226' Had a lot of parafin comming out of hole Circulated & worked pipe till parafin cleaned up
	14:15 - 14:45	0.50	D	04		R I H to 6208' Circ. btms. up Only slight sign of parafin
	14:45 - 20:15	5.50	D	04		Cont. R I H to 10639' Circ. btms. up at 8081' and 9983' Lost 65 bbls.

EL PASO PRODUCTION

Operations Summary Report

Legal Well Name: BROTHERSON 3-11B4
Common Well Name: BROTHERSON 3-11B4 — Spud Date: 4/22/2008
Event Name: DRILLING — Start: 4/22/2008 — End: 6/28/2008
Contractor Name: FRONTIER — Rig Release: 7/1/2008 — Group:
Rig Name: FRONTIER — Rig Number: 11

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/1/2008	14:45 - 20:15	5.50	D	04		drlg. mud while circulating
	20:15 - 21:15	1.00	D	08		Brk.circ. Wash f/ 10639' to 10897' Had 4' fill on btm. Had 7900 units gas on btms. up after trip
	21:15 - 05:15	8.00	D	03		Drill f/ 10879 to 11080' Drlg. ahead w/ 62 bph losses Survey tool not working
	05:15 - 05:30	0.25	D	05		Acc. survey time
	05:30 - 06:00	0.50	D	03		Acc. connection time
6/2/2008	06:00 - 16:45	10.75	D	03		Drill 11080' - 11296', losses by the hour, 6-7, 45, 7-8, 123, 8-9, 127, 9-10, 99, 10-11, 40, 11-12, 31, 13-14, 23, 14-15 11, 15-16, 13, 16-17, 14, 17-18, Avg. 44 BPH.
	16:45 - 17:15	0.50	D	06		Service rig
	17:15 - 17:45	0.50	D	03		Connection tome
	17:45 - 18:00	0.25	D	03		Survey time
	18:00 - 20:30	2.50	D	03		Drill f/ 11296' to 11318' Penetration rate dropping off Increase in rotary torque
	20:30 - 22:15	1.75	D	08		Circ. btms. up Spot 90ppb cal. carb. pill on btm. (Pumped 70 bbl. pill , 157bbl. 10.3 ppg mud and 35 bbl. 12.4 ppg trip pill) No mud losses to form. while circ. btms. up
	22:15 - 06:00	7.75	D	04		P O H w/ bit # 8 Flow Ck'd at 10431', 7622', 5283', 790' Well static Tight spot on trip out f/ 5989' up to 5925' 11000# over pull
6/3/2008	06:00 - 07:00	1.00	D	04		Finish TOH, LD TBR, PBL, pull MWD, Break off bit
	07:00 - 08:15	1.25	D	04		Install & shallow test MWD, Test good
	08:15 - 11:00	2.75	D	04		PU new bit #9, PU PBL, TBR, TIH 19 stands, fill pipe & circ 5 min. @ 2586', TIH to shoe.
	11:00 - 12:30	1.50	D	18		Slip & cut 100' of Drilling Line.
	12:30 - 13:30	1.00	D	08		Kelly up, Fill pipe & Circ bottoms up just out side of shoe. 5276' bottoms up gas 1200u, no flare or oil with bottoms up.
	13:30 - 16:30	3.00	D	04		TIH 32 stands to 8241', kelly up & circ 5 min. finish TIH
	16:30 - 16:45	0.25	D	07		W&R 90' to bottom, 8' of fill
	16:45 - 23:30	6.75	D	03		Drill f/ 11318' to 11448' Lost 676 bbls. to form. since back on btm. drilling
	23:30 - 01:00	1.50	DT	57		Circ. at 80 stks. (189 gpm) adding lcm to mud system & building volume.
	01:00 - 04:30	3.50	DT	57		Mix up 70 bbls. 90 ppb cal. carb. pill wt'd to 11.4 ppg Pumped 70 bbl. pill, followed by 436 bbls. 10.4 ppg drlg. mud This will put the leading edge of cal. carb. pill at 5000' Pill in place @ 0425 hrs. Shut down pump
	04:30 - 06:00	1.50	DT	57		Pull rotating element above rotary table Observe annulus No drop in annulus Fair amount of gas breaking out of mud Prepare 12.4 ppg trip mud to slug pipe
6/4/2008	06:00 - 07:45	1.75	DT	57		Mixing trip pill, check F/ flow , flowing after working pipe @ 1.3 BPH, sloaing to .56 BPH in 10 min. finish mixing trip pill and monitor flow after working pipe, swabbing @ 7 bph on the up stroke, slowing to 2.3 bph on the down stroke. 20 min flow check started @ .79 bph @ 5 min, .56 bph @ 10 min, .47 bph @ 20 min.
	07:45 - 14:00	6.25	D	04		Short trip 65 stands, Pulled 10 stands wet, check f/ fllow, flowing @ 1.39 bph @ 0 min. .56 bph @ 5 min, .47 bph @ 10 min,.45 bph @ 15 min. pump trip pill & TOH. Tight from 7463' - 7374', 50k over, 6051' - 5973, 5969' - 5901', 30 to 50k over, worked through tight spots. hole 8 BBL short of taking enough fluid on the way out.
	14:00 - 19:45	5.75	D	08		Circ & Cond F/ logs, loosing 88 bph @ 80 SPM, 31 BPH @ 62 SPM, 171 BPH @ 123 SPM, losses stablized @ 83 SPM @ 16:40, bottoms up gas = 1228u, 1-12' intermintent flare.

Operations Summary Report

Legal Well Name: BROTHERSON 3-11B4
Common Well Name: BROTHERSON 3-11B4 — Spud Date: 4/22/2008
Event Name: DRILLING — Start: 4/22/2008 — End: 6/28/2008
Contractor Name: FRONTIER — Rig Release: 7/1/2008 — Group:
Rig Name: FRONTIER — Rig Number: 11

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/4/2008	19:45 - 20:45	1.00	D	08		Pump 130 bbls. 11.6ppg mud w/ 6% fiberous lcm followed by 25 bbls. 10.5 ppg drlg. mud (this will cover 1700' in annulus
	20:45 - 06:00	9.25	D	04		P O H First 10 std's pulled dry Attempt to brk. circ. Unable to pump thru drill string Drop wt'd opening ball to open ports in PBL sub Cont. pulling dp while letting opening ball decend to PBL sub At @8754' picked up kelly attempt to open ports on pbl sub Press. up to 2700 psi, ports would not open Flow ck. Well static Cont. P O H w/ plugged drill string Slight tight spot f/ 6117' up to 5985' 5 - 8000 over pull Flow ck'd at 9525', 8755', 7911', 5101' Well static At 3200' at 0600 hrs. Well taking 11% more mud than calculated displacement
6/5/2008	06:00 - 09:30	3.50	D	04		TOH F/ logs wet W/ SLM 4.7' long, no correction, LD Directional tools, TBR, TBL, Mud Motor & Bit, the only plugging I have found so far is in the PBL tool plugged with coarse CalCarb. still looking for the Brass Dart.
	09:30 - 20:30	11.00	D	11		Stab Logging adpter, RU Baker Atlas and RIH W/ Tripple Combo, to 11452' (LTD) & log GR,Res, ND,& Sonic TD to BSC W/ GR to GR.
	20:30 - 23:00	2.50	DT	69		W O STAR / CBIL tool
	23:00 - 06:00	7.00	DT	69		Logging with Star / CBIL tool On btm. @ 0230 hrs. Hole in good cnd. Star part of logging tool periodically not working Logging up with CIBL at 10900' at 0600 hrs.
6/6/2008	06:00 - 16:15	10.25	DT	69		Logging out W. CIBL & Star tool Star tool not working, POOH, LD CIBL, RIH 100' below the shoe & try Star, Working, RIH to TD & log out W/ Star tool. Clean mud tanks
	16:15 - 05:45	13.50	D	04		PU BHA & TIH Circ. btms. up at 5191' Had 1341 units gas Slight sign of parafin Circ. btms. up at 10552' Had 4017 units gas No parafin 10 -15' lazy flare Lost 10 bbl. mud while circ. btms. up at 10552' Cont. R I H to 11311' No tight spots going in hole
	05:45 - 06:00	0.25	D	07		Wash f/ 11311' to 11390'
6/7/2008	06:00 - 06:30	0.50	D	07		W&R 11390' - 11448', all fill or swelled hole.
	06:30 - 11:30	5.00	D	08		C&C to run Casing Bottoms up gas first circulation 3448u, 1-3' flare. RU LD Machine. Held Safety meeting W/ crews & LD crew. Mixed and pumped 130 BBL of 11.6 PPG mud followed by 25 BBL of 10.5 PPG F/ balanced plug
	11:30 - 18:45	7.25	D	04		LDDP Flow Check @ 6296', 5226', 970', well static.
	18:45 - 22:30	3.75	D	04		Pull rotating rubber , Brk. kelly & cross over subs L / D Dc's
	22:30 - 23:00	0.50	D	04		Pull wear bushing Obs. well Static Function blind rams c / o 4 sec's
	23:00 - 02:00	3.00	D	12		Rig in Frank's Estates power tongs w/ torque turn Hold safety meeting
	02:00 - 06:00	4.00	D	12		Run 7" 32# STL Q-125 intermediate casg. 42 jts. run at 0600 hrs.
6/8/2008	06:00 - 16:00	10.00	D	12		PU & Run Davis Lynch STL Float Shoe, 2 shoe joints, Davis Lynch STL Float Collar, 78- 7" 32# STL Joints of Q-125, including XO Joint back to 8-Rnd, 175 Joints of 7" 29# HCP-110, LTC. Float Collar is @ 11.354.97', Shoe landed @ 11448' Circ Csg. volume @ 3580', Fill pipe @ 6290' & try to cir, pumped 100 BBL away while working pipe with no luck, RIH to 6980', attempt to circ. no luck @ 25 SPM or 40 SPM, RIH to 7671'. Pumped away 5 bbl of fluid, shut down to mix 90 PPB Cal Carb pill.
	16:00 - 18:00	2.00	DT	57		MIX 70 BBL of 90 PPB Cal Carb Pill @ 10.6 PPG & spot @ 5500'
	18:00 - 03:00	9.00	DT	57		Wait 1 hr. Run 1 jt. casg. No returns Wait additional 1 hr. Run another jt. of casg. No returns Cont. running casg. to 9095' Fill casg. Pump thru casg. to insure casg. is not plugged (275 stks.) Cont. running casg. to 11037' Fill casg. Pump 275 stks. to ck. for casg. plugging
	03:00 - 04:30	1.50	DT	65		Linkage that operates slip segments on 350T elevators broke Change out elevators

EL PASO PRODUCTION

Operations Summary Report

Legal Well Name: BROTHERSON 3-11B4
Common Well Name: BROTHERSON 3-11B4 — Spud Date: 4/22/2008
Event Name: DRILLING — Start: 4/22/2008 — End: 6/28/2008
Contractor Name: FRONTIER — Rig Release: 7/1/2008 — Group:
Rig Name: FRONTIER — Rig Number: 11

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/8/2008	04:30 - 05:15	0.75	D	12		Cont. running casg. to 11363' No hole problems
	05:15 - 06:00	0.75	D	07		Fill casg. & wash f/ 11363 to 11410' at 0600 hrs.
6/9/2008	06:00 - 08:15	2.25	D	12		Circ last 2 joints of Csg down, tag up @ 11452', LD 1 JT, PU Csg. hanger & Landing JT. & land in Csg Bowel. Shoe is @ 11448', Float Collar is @ 11,354'
	08:15 - 09:45	1.50	D	14		RU HES & Circ W/ rig pump. No Circ, pump 290 BBL of mud and shut down RD Csg Crew & LD Machine. Hold Safety Meeting W/ HES & Rig crews. STL Tools left Location on Franks Westates Truck @ 10:00 6/8/08 (BLC.)
	09:45 - 15:30	5.75	D	14		Finish RU HES, Hold Safety Meeting, Test lines to 6K, pump 5 BBL of fresh water, 20 BBL of Superflush @ 10.2 PPG, 340 Sx of Lead cement, (HES Light) @ 11.0 PPG, yield 3.309, 200 BBL of slurry, Adds = 10 lb/sx lime, 1 lb/sx Pheno Seal, 1 lb/sx Tuf Fiber, .25 lb/sx Polly-E-Flake. Tail in W/ 292 Sx of JB Pozmix, 12.5 PG, Yield 1.97, 102 BBL of slurry. adds = 2% bwoc gel, 6% bwoc Well Life 665, 5 lb/sx Silicate, 8 lb/sx Lime, .5% bwoc Halad 344, .3% bwoc Halad 413, .1% bwoc HR-601, .3% bwoc SA-541, & .5% bwoc Super-CBL. Drop plug & wash up on top, displace W/ 198 BBL of mud W/ HES, pumps stopped pumping, change over to rig pumps & pump 231 BBL,@ 10.6 PPG, did not bump plug, lift pressure @ 2 BPM was 515 PSI. Bump plug. Plug in place @ 14:41, repeased, floats held OK. Reciprocated pipe unitl started pulling 25-30K over normal drag. RD HES.
	15:30 - 18:30	3.00	D	10		Back out Landing joint, PU Weatherfords Pack off & set, test Pack off to. 5000 psi unload 3 1/2" tools & load out 7" Csg on Brough.
	18:30 - 21:30	3.00	D	15		Change top & btm. pipe rams f/ 5" to 3 1/2"
	21:30 - 23:15	1.75	D	04		Change out kellys f/ 5 1/4" TO 3 1/2"
	23:15 - 04:00	4.75	DT	52		Rig in Perf o log Hold safety meeting Run temp. log
	04:00 - 06:00	2.00	D	09		Rig in B & C Quick Test Hold safety meeting Make up 11" Weatherford test plug and set in well head
6/10/2008	06:00 - 15:30	9.50	D	09		Test BOPE to 10K F/ 10 Min.tested pipes, blinds, Upper & Lower Kelly Valves,Choke Manifold, Kill Line Valves, HCR & Floor Valves. Also to 250 PSI, F/ 5 Min.Tested Annular to 5K & 250 low, Tested Csg to 2500 F/ 30 Min.
	15:30 - 19:00	3.50	D	04		Make up BHA
	19:00 - 20:15	1.25	D	04		Rig in pipe handler Hold safety meeting
	20:15 - 06:00	9.75	D	04		R I H (picking up & drifting 3 1/2" dp) Circ. while measuring dp @ 1924' & 5469'
6/11/2008	06:00 - 07:45	1.75	D	04		PU DP, tag cement @ 9530'.
	07:45 - 08:45	1.00	D	03		Drill cement F 9530' - 9566', tagged @ 9530, kelly up & start pump @ 200 GPM, didn't see any sigh of tag @ 9530' no stringers to 9534', drill to 9566' with no WOB. Drilled plug @ 9545'
	08:45 - 10:00	1.25	D	08		Circ & RD LD Machine
	10:00 - 11:00	1.00	D	06		Slip & Cut 137' of Drilling line
	11:00 - 11:30	0.50	D	04		Load pipe racks & Strap Pipe
	11:30 - 12:30	1.00	D	03		Drill Cement F/ 9566' - 9696' still drilling only stringers, WOB F/0-10k acts more like drag than WOB
	12:30 - 13:00	0.50	DT	60		Repair Pumps, Washed seat in #1, #2 Packed off W/ Cal Carb
	13:00 - 20:15	7.25	D	03		Drilling Cement F/ 9696' to FC at 11354' Drill Float collar, cmt. and shoe f/ 11354' to 11448'
	20:15 - 21:00	0.75	D	03		Drill 6" hole f/ 11448 to 11458'
	21:00 - 22:00	1.00	D	08		Circ. btms. up Mud wt. in & out 10.6 ppg
	22:00 - 22:45	0.75	D	09		Conduct F I T test LOG .72 psi / ft Mud wt. equivalent 13.95 ppg

EL PASO PRODUCTION

Operations Summary Report

Legal Well Name: BROTHERSON 3-11B4
Common Well Name: BROTHERSON 3-11B4 — Spud Date: 4/22/2008
Event Name: DRILLING — Start: 4/22/2008 — End: 6/28/2008
Contractor Name: FRONTIER — Rig Release: 7/1/2008 — Group:
Rig Name: FRONTIER — Rig Number: 11

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/11/2008	22:45 - 23:00	0.25	D	03		Drill f/ 11458 to 11463'
	23:00 - 00:00	1.00	D	09		Install rotating head element
	00:00 - 05:30	5.50	D	03		Drill f/ 11463 to 11520' Sample at @11508' 70% siltstone 30% shale
	05:30 - 05:45	0.25	D	05		Survey @11460 3.3* az 209.4
	05:45 - 06:00	0.25	D	03		Acc. connection time
6/12/2008	06:00 - 14:30	8.50	D	03		Drilling 11520' - 11622', 7868 U gas @ 11585', 15' flare.
	14:30 - 15:00	0.50	D	06		Service rig
	15:00 - 17:00	2.00	D	03		11622 - 11630
	17:00 - 18:00	1.00	D	03		Connection time
	18:00 - 05:30	11.50	D	03		Drill 11630' - 11722' Sample @ 80% Silty sandstone 20% Shale
	05:30 - 05:45	0.25	D	05		Deviation survey @ 11630' 2.5* az 211.4
	05:45 - 06:00	0.25	D	03		Acc. connection time
6/13/2008	06:00 - 10:15	4.25	D	03		Drilling 11722' - 11749'
	10:15 - 10:30	0.25	D	03		Survey @ 11716', 2.3 198.4
	10:30 - 12:45	2.25	D	03		Drill 11749' - 11766'
	12:45 - 14:00	1.25	D	08		Pump 50 BBL of 80 PPB Cal Carb, Mix trip pill, pump 67 BBL of mud & follow W/ 30 BBL trip pill to displace Cal Carb pill out of Pipe. 30 Min Flow check while mixing trip pill.
	14:00 - 19:30	5.50	D	04		Trip out F/ bit # 12, flow check @ 7983'. 10 Min. well static. continue TOH Flow Ck. 907' Hole taking 7.4 bph Cont. P O H Function blind rams c / o 4 sec's
	19:30 - 00:45	5.25	D	04		R I H w/ bit #12 to casg. shoe at 11448' Brk. circ. at 3096', 7369', 11448'
	00:45 - 02:00	1.25	D	08		Circ. btms. up at casg. shoe Had 3300 units gas on btms. up 10 - 15' flare
	02:00 - 02:15	0.25	D	04		Cont. R I H to 11668'
	02:15 - 02:45	0.50	D	07		Wash & ream f/ 11668' to 11766' Lost 12 bbls. mud while running in hole and washing to btm.
	02:45 - 05:45	3.00	D	03		Drill f/ 11766' to 11812' Sample at @ 11780' 60% shale, 10% siltstone, 30% sandstone
	05:45 - 06:00	0.25	D	03		Acc. connection time
6/14/2008	06:00 - 13:15	7.25	D	03		Drill 11812' - 11939'
	13:15 - 13:45	0.50	D	06		Service Rig
	13:45 - 17:30	3.75	D	03		Drill 11939' - 11996'
	17:30 - 18:00	0.50	D	03		Acc. conn. time
	18:00 - 05:00	11.00	D	03		Drill f/ 11996' to 12190' Drlg. w/ 5 - 6 bph losses
	05:00 - 05:15	0.25	D	05		Acc. survey time @ 11969' 2.5* az 204.4
	05:15 - 06:00	0.75	D	03		Acc. conn. time
6/15/2008	06:00 - 09:30	3.50	D	03		Drill 12190' - 12255'
	09:30 - 10:00	0.50	D	06		Service Rig & Survey @ 12222', 1.8, 217.0
	10:00 - 17:30	7.50	D	03		Drill 12222' - 12407'
	17:30 - 18:00	0.50	D	03		Connection Time
	18:00 - 04:45	10.75	D	03		Drill 12407' - 12572' Drlg. w/ 5 - 7 bph losses Bk. grd. gas 1800 units Conn. gas 2060 units Sample at @ 12550' 75% Shale, 20% Sandstone, 5% Siltstone
	04:45 - 05:30	0.75	D	05		Acc. survey time @ 12506' 2.1* az 206.4
	05:30 - 06:00	0.50	D	03		Acc. connection time
6/16/2008	06:00 - 13:30	7.50	D	03		Drill 12572' - 12680'
	13:30 - 13:45	0.25	D	03		Connection time
	13:45 - 16:45	3.00	D	08		C&C, flow check, Well static, Circ bottoms up, spot 60 BBL of 80 PPB Cal Carb, mix trip pill, pump 61 BBL of mud pump 30 BBL trip pill to get Cal Carb out of bit.
	16:45 - 17:15	0.50	D	04		TOH 10 stands, pull Rotating Rubber, Flow check AT 11810' Well static
	17:15 - 21:45	4.50	D	04		Cont. P O H Flow ck. at 9861', 8824', 943' & O O H Well static

EL PASO PRODUCTION

Operations Summary Report

Legal Well Name: BROTHERSON 3-11B4
Common Well Name: BROTHERSON 3-11B4 — Spud Date: 4/22/2008
Event Name: DRILLING — Start: 4/22/2008 — End: 6/28/2008
Contractor Name: FRONTIER — Rig Release: 7/1/2008 — Group:
Rig Name: FRONTIER — Rig Number: 11

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/16/2008	21:45 - 22:15	0.50	D	06		Rig Ser. Function blind rams c / o 4 sec's
	22:15 - 23:30	1.25	D	04		Change out mud motors
	23:30 - 00:45	1.25	D	04		R I H with bit # 13 to 4013' Fill dp
	00:45 - 01:15	0.50	DT	65		Replace hydraulic hose on pipe spinner
	01:15 - 03:45	2.50	D	04		Cont. R I H to casg. shoe at 11448' Fill dp Install rotating head element
	03:45 - 05:00	1.25	D	08		Circ. btms. up Had 2497 units gas on btms. up at casg. shoe 10 - 12' flare
	05:00 - 06:00	1.00	D	06		Slip & cut drill line
6/17/2008	06:00 - 06:45	0.75	D	04		TIH, LD 3 Jts DP
	06:45 - 08:30	1.75	DT	56		W&R 91' to bottom, trying to pack off sloughing shale coming across shaker about 1" thick. Lost 36 BBL mud on trip.
	08:30 - 15:30	7.00	D	03		Drill 12680' - 12792'
	15:30 - 16:15	0.75	D	06		Rig service & Survey @ 12758' 1.8, 200.0
	16:15 - 17:30	1.25	D	03		Drill f/ 12792' to 12824'
	17:30 - 18:00	0.50	D	03		Acc. connection time
	18:00 - 05:30	11.50	D	03		Drill f/ 12824' to 13015' Bit starting to slow down starting at 13000' Back grd. gas 990 units Connection gas 2690 units
	05:30 - 06:00	0.50	D	03		Acc. connection time
6/18/2008	06:00 - 07:00	1.00	D	03		Drill 13015' - 13044'
	07:00 - 07:30	0.50	D	06		Rig service & Survey @ 13011',1.6, 194
	07:30 - 17:30	10.00	D	03		Drill 13044' - 13207' Drilling slowed drasticaly, picked pump rate up to 240 GPM, Rotary up to 60, total rpm @ that rate 171 PR picked up to 30-40 FPH.
	17:30 - 18:00	0.50	D	03		Acc. connection time
	18:00 - 05:15	11.25	D	03		Drill f/ 13207' to 13514' w/ 2 - 3 bph losses Sample @ 13465' 60 - 70% sandstone 30 - 40% shale Bk. grd. gas 450 units Connection gas 1724 to 2670 units
	05:15 - 06:00	0.75	DT	69		Acc. connection time
6/19/2008	06:00 - 10:15	4.25	DT	69		Drill, 13514', - 13614'
	10:15 - 10:45	0.50	DT	69		Rig service & adjust Brakes
	10:45 - 17:00	6.25	DT	69		Drill 13614' - 13741'
	17:00 - 17:15	0.25	DT	60		Repair Cat Head, Break out line tangled
	17:15 - 17:30	0.25	DT	69		Drill 13741' - 13758'
	17:30 - 18:00	0.50	DT	69		Connection time
	18:00 - 23:30	5.50	DT	69		Drill f/ 13758' to 13875' Had 7011 units gas from 13792' over bk. grd. of 450 units
	23:30 - 01:30	2.00	DT	60		#2 Piston head washed out in pump # 1 Unable to get #2 pump to pump (suction line plugged with cal. carb.) Put # 1 pump back on line Pulled & broke off 1 jt. dp Hole getting tight Circ. for 30 min. at @ 13832' Shut down pump # 1 Change out leaking piston head Run back to btm. Unable to open suction valve going to # 2 pump (appears stem is twisted off)
	01:30 - 05:30	4.00	DT	69		Drill f/ 13875 to 13950' Raising mud density to 13+ ppg Back grd. gas staying around 1450 units since gas show at 13792' Current mud density 13 ppg Back grd gas has dropped to 325 units Drlg. ahead w/ 3 - 4 bph losses
	05:30 - 06:00	0.50	DT	69		Acc. connection time
6/20/2008	06:00 - 06:30	0.50	DT	69		Drill 13950' - 13955'
	06:30 - 15:00	8.50	DT	69		Circ & Cond, raising MW to 13.3 PPG. MW almost to surface and lost complete returns, mix & pump 80 PPB CaCO3 Sweeps to regain Circ. Pumped 30 BBL sweep @ 90 PPB CaCO3, clear bit & work pipe slow F/

EL PASO PRODUCTION

Operations Summary Report

Legal Well Name: BROTHERSON 3-11B4
Common Well Name: BROTHERSON 3-11B4 — Spud Date: 4/22/2008
Event Name: DRILLING — Start: 4/22/2008 — End: 6/28/2008
Contractor Name: FRONTIER — Rig Release: 7/1/2008 — Group:
Rig Name: FRONTIER — Rig Number: 11

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/20/2008	06:30 - 15:00	8.50	DT	69		12 Hr. took 3 BBL to fill DP & 8 BBL to break C&C while pumping 2 more pills, clear bit W/ 2nd pill & shut down, work Pipe F 1 hr.
	15:00 - 19:15	4.25	DT	69		Pump trip pill & Short trip to Shoe, 27 stands. Tight 19 stands out, 12154' - 12147', worked through until we didn't see it any more. No tight spots encounterd going in hole Had 3' fill on btm.
	19:15 - 21:45	2.50	DT	69		Drill f/ 13955' to 14000' w/ 5 bph losses Had 4829 units gas on btms. up f/ wiper trip
	21:45 - 23:15	1.50	DT	69		Circ. btms. up Checked with Jim Borer on drlg. ahead There was no significant drlg. breaks f/ 13955' to 14000' No gas shows
	23:15 - 23:30	0.25	DT	69		Deviation survey @ 13950' 1.1* az 166
	23:30 - 04:45	5.25	DT	69		Drill f/ 14000' to 14092' TD w/ 5 - 7 bph losses Bk. grd. gas 547 units Conn. gas 1020 units
	04:45 - 06:00	1.25	DT	69		Acc. connection time
6/21/2008	06:00 - 06:30	0.50	DT	69		Drill 14092' - 14100'
	06:30 - 09:15	2.75	D	08		C&C, spot 65 BBL of 90 PPL CaCO3, Mix trip pill, & pump.
	09:15 - 12:30	3.25	D	04		29 Stand short trip, tight @ 11917' - 11941', pulled 22k over about 1/3 of the spot yesterday.
	12:30 - 13:00	0.50	D	07		W&R 117' to bottmo, 40' of fill.
	13:00 - 17:00	4.00	D	08		Circ & Cond F/ logs Gas @ surface 8 min after washing to bottom & taking a survey 2985u 15 Min. flow check. well static
	17:00 - 18:30	1.50	D	08		Pump 65 BBL of 90 PPB of CaCO3, Mix trip pill, pump 117 BBL of mud, 30 BBL of trip pill, & 3 BBL of mud to clear Bar out of pumps & lines.
	18:30 - 19:30	1.00	D	04		P O H to log
	19:30 - 05:00	9.50	DT	60		Attempt to pull rotating head rubber at 13147' (with hydramatic disengaged, nornal position when tripping out of hole) Dp tool jt. was lowered below rotating head rubber to help in the removal of the rotating rubber when dp is raised Apparently (according to driller) when dp was lowerd and he tried stop the travelling blocks there was no brakes He tried as best as he could to stop the drill string from dropping (string wt. 208000 lbs.) With no brakes he engaged the drum clutch to try to stop the fall of the travelling blocks, to no avail Blocks hit the rotary table With the master bushings removed f/ rotary table to allow for the removal of the rotating head rubber, the elevators & bails went down thru the rotary table and stopped 6" from the top of the rotating head The drlg. line snapped off 16" from where the anchor clamp is attached The drlg. line came off the drum , went over the fast line sheave and pilled up on the drill floor The drilling superintendent along with drill crew strung new drill line There were no injuries of any kind and no visable damage to rotary beams or other equipment Blocks and drill string fell 85' Present bit depth @ 13147' Circulating across well head Well static
	05:00 - 05:30	0.50	D	08		Pick up kelly Brk. circ. No problem
	05:30 - 06:00	0.50	D	04		R I H (ck. hole cond. after dropping drill string 85')
6/22/2008	06:00 - 06:15	0.25	D	04		TIH, LD 2 Jts DP.
	06:15 - 06:45	0.50	D	07		W&R 60' to bottom, 30' of fill
	06:45 - 13:45	7.00	D	08		Circ & Cond, Max Trip gas 1955u, 1855u @ bottoms up. WO Elevators from Rock Springs Wy.
	13:45 - 15:15	1.50	D	08		Spot 65 BBL of 90 PPB CaCO3, Mix Trip pill, pump 87 BBL of mud, 30 BBL of trip pill, & clear pump & lines W/ 3 BBL of mud.
	15:15 - 00:00	8.75	D	04		Change out Elevators while checking F/ Flow well static, & TOH F/ Logs Flow ck. 13215', 7252', 963', OOH Well static Last 6 std's of dp & Bha were full of parafin
	00:00 - 01:30	1.50	D	04		L / D Teledrift sub, TBR,& mud motor Clean up drill floor

EL PASO PRODUCTION

Operations Summary Report

Legal Well Name: BROTHERSON 3-11B4
Common Well Name: BROTHERSON 3-11B4 — Spud Date: 4/22/2008
Event Name: DRILLING — Start: 4/22/2008 — End: 6/28/2008
Contractor Name: FRONTIER — Rig Release: 7/1/2008 — Group:
Rig Name: FRONTIER — Rig Number: 11

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/22/2008	01:30 - 06:00	4.50	D	11		Install 16' x 7" wireline packoff adapter Hold safety meeting Rig in Baker Atlas Run # 1 Density - Neutron - Gamma ray - XMAC - Caliper On btm. with log # 1 at 0500 hrs. Loggers TD @ 14117' No hole problems encounterd
6/23/2008	06:00 - 11:00	5.00	D	11		SLM = .91' Short. Logging W/ Baker Atlas, LD first run tools, & PU STAR & CIBL, RIH to shoe & fight for every foot from there to 13343', log out from there.
	11:00 - 22:00	11.00	DT	69		Run star and cibl, not in original plans
	22:00 - 22:30	0.50	D	11		Rig out and release Baker Atlas
	22:30 - 05:00	6.50	DT	69		R I H w/ used insert tri cone bit (no nozzles) Fill dp at 3237', 7020', 11448' Install rotating head element
	05:00 - 06:00	1.00	DT	69		Circ. btms. up at casg. shoe
6/24/2008	06:00 - 06:45	0.75	DT	69		Circ bottoms up @ shoe, trip gas 4265u
	06:45 - 08:30	1.75	DT	69		TIH to 12976', LD 14 Jts of DP
	08:30 - 10:30	2.00	DT	69		W&R 112976' - 13324', working through tight spots nothing over 15K mostly 3-4K through underguage spots on logs.
	10:30 - 11:00	0.50	DT	69		TIH to 13577
	11:00 - 12:45	1.75	DT	69		W&R 13577' - 13800'
	12:45 - 13:15	0.50	DT	69		TIH to 13855'
	13:15 - 15:30	2.25	DT	69		W&R 13855' - 14100, 174' of fill. Slough over shaker the size of a quarter & 3/32" thick. 32' of this was very hard reaming.
	15:30 - 19:30	4.00	DT	69		C&C F/ 3rd Logging run of to run Liner Shakers are clean Pump 30 bbl. trip pill
	19:30 - 22:30	3.00	DT	69		P O H up to casg. shoe at 11448' One slight tight spot at 13720' 7M over pull R I H Did not touch anything No noticeable fill on btm.
	22:30 - 01:00	2.50	DT	69		Circ. cond. mud & hole Lost 4 bbls. drlg. mud while circulating Had 2133 units gas on btms. up Back grd. gas 254 units Pump trip pill
	01:00 - 06:00	5.00	DT	69		P O H to rerun Quad Combo / CMI Flow ck. 14068', 11360', 7009' At 4500' at 0600 hrs.
6/25/2008	06:00 - 08:45	2.75	DT	69		TOH F/ logs
	08:45 - 15:15	6.50	DT	69		RU Baker Atlas & RIH W/ STAR & CIBL started in the hole @ 10:45 Max depth this run 11677', pulled 9500 to work loose , hung up again @ 11550' work loose & pooh, RD Baker Atlas
	15:15 - 22:15	7.00	D	04		TIH, Pu Bit, Bit sub,TBR, & TIH Fill pipe & Break Circ @ 4991', 7892', 11448' Install rotating head rubber
	22:15 - 23:30	1.25	D	08		Circ. btms. up at casg. shoe Had 1760 units gas on btms. up
	23:30 - 01:30	2.00	D	04		Cont. R I H to 13880' Brk. circ. Wash f/ 13880' to 14100' No noticeable fill on btm. Never touched anything going thru section where logging tool got hung up
	01:30 - 03:30	2.00	D	08		Circ. cond. hole Had 2493 units gas on btms. up Bk. grd. gas 378 units No mud losses while circulating
	03:30 - 06:00	2.50	D	04		Pump trip pill P O H Flow ck. at casg. shoe at 0600 hrs.
6/26/2008	06:00 - 12:00	6.00	D	04		TOH, RU T-Rex LD Machine, Hold safety meeting with casing crew & LD crew. LD 3 jts HWDP,18 - 4 3/4" DCS, TBR, Bit sub & Bit.
	12:00 - 15:15	3.25	D	12		RU T-Rex Casing Service. PU & Run 63 Jts of 4 1/2" 15.1# LTC Csg. With HES Float Shoe & Float Collar, 1- Shoe Joint
	15:15 - 19:15	4.00	D	08		Circ & WO HEs 4 1/2" LTC Pin X 5" LTC Box.
	19:15 - 20:00	0.75	D	12		Make up 7" 26# x 4.5" 15.1 # VersaFlex Expandable Liner Hanger Total lenght of liner w/ hanger @ 2938.46'
	20:00 - 03:45	7.75	D	12		Run liner in on 3 1/2" dp (drifting dp) Fill dp every 10 std's Brk. circ. at 7020' Cont. R I H to 11324' Running dp in at 2 min. per std. Install rotating head element
	03:45 - 05:15	1.50	D	08		Circ. btms. up at 3 bpm No mud losses while running liner or circulating

EL PASO PRODUCTION

Operations Summary Report

Legal Well Name: BROTHERSON 3-11B4
Common Well Name: BROTHERSON 3-11B4 — Spud Date: 4/22/2008
Event Name: DRILLING — Start: 4/22/2008 — End: 6/28/2008
Contractor Name: FRONTIER — Rig Release: 7/1/2008 — Group:
Rig Name: FRONTIER — Rig Number: 11

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/26/2008	03:45 - 05:15	1.50	D	08		Had 5 - 10' lazy flare on btms. up
	05:15 - 06:00	0.75	D	12		Cont. running liner At @12500' at 0600 hrs.
6/27/2008	06:00 - 07:15	1.25	D	04		TIH 3 min. stand, Rabbit every stand
	07:15 - 12:30	5.25	D	08		W&R 2 jts to bottom, tag up 23' in on kelly, C&C WO HES lab test,pump 200 BBL of clean mud, WT. 13.3, Vis 40, PV - 13, YP - 8, Gels: 7/14/20. Held Safety Meeting While Circulating
	12:30 - 17:30	5.00	D	14		RU HES & Pump 40 BBL of Tuned spacer, 10 BBL of water, 250 Sx of 50/50 Poz Premium,cement, Wt. 13.5 yield 1.73, 77 BBL of slurry, drop plug @ displace w/ 123.5 bbl of mud,bumped plug W/ 1400 PSI, 500 over, Displaced @ 2 BPM to 100 bbl. returnes slowed, dropped rate to 1 BPM Good returnes through the complete job,Drop ball & pump down, packers set W/ 6800 PSI, pulled into them W/ 90K, Set down 65K. Circulated out the long way W/ HES, circ 10 bbl cement to pits. RD HES Liner top @ 11183' Btm. @ 14099' Float Collar @ 14051'
	17:30 - 18:00	0.50	D	04		RU T-Rex Casing LD machine & LD DP.
	18:00 - 18:30	0.50	D	09		Press. test liner packer to 1500 psi for 30 min. Ok.
	18:30 - 03:00	8.50	D	04		Cont. laying down dp Lay down liner running tool
	03:00 - 03:45	0.75	D	04		Run in 23 std's dp from derrick
	03:45 - 06:00	2.25	D	04		Pick up and brk. quill & all subs from kelly Remove kelly bushings
6/28/2008	06:00 - 07:45	1.75	D	04		Finish LD DP, RD Lay Down Machine
	07:45 - 20:30	12.75	D	01		LD Kelly, Clean 3 1/2 tools from floor, clean Mud tanks, ND BOPE RU Perf-O-Log @ RIH W/ 6" Guage ring to 7850', POOH & PU Baker's Wireline set & TBG Retrievable Plug & set @ 7800'. Pulled 3 1/2" Rams from BOP. Remove & send in Hydraulic Choke,load out 3 1/2" DP, Release rig

EL PASO PRODUCTION

Operations Summary Report

Legal Well Name:	BROTHERSON 3-11B4				
Common Well Name:	BROTHERSON 3-11B4			Spud Date:	4/22/2008
Event Name:	COMPLETION	Start:	7/3/2008	End:	8/16/2008
Contractor Name:	BASIC ENERGY	Rig Release:	8/16/2008	Group:	
Rig Name:	BASIC	Rig Number:	1474		

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/4/2008	07:00 -		C			HSM. RU RIG. TIH W/ RET. TOOL & RELEASE RBP @ 7800'. ATTEMPT TO REVERSE CIRCULATE DRILLING MUD FROM CSG. PRESSURE UP TO 4200 PSI. STAND BACK 6 JTS TBG. CIRCULATE HOLE DRILLING MUD OUT OF WELL BORE (CONVENTIONAL). SDFN
7/5/2008	07:00 - 18:00	11.00	C			HSM. TOOH W/ 237 JTS 2-7/8"EUE TBG & RBP. TIH W/ 3-5/8" OD MILL, BIT SUB, 4 3-1/16"OD DRILL COLLARS, X-OVER, 6' X 2-3/8"EUE PUP JT, 90 JTS 2-3/8"EUE TBG, X-OVER & 253 JTS 2-7/8"EUE TBG. CIRCULATE MUD OUT OF WELL BORE W/ 211 BBLS 2% KCL WTR. CONTINUE IN HOLE W/ 92 JTS TBG. TAG FILL @ 14017'. TOOH W/ 22 JTS TBG. SDFN
7/6/2008	07:00 - 17:00	10.00	C			HSM. RIH W/ 21 JTS TBG. RU POWER SWIVEL. WASH DOWN TO 14052'. CIRCULATE HOLE CLEAN W/ 248 BBLS 2% KCL WTR. RD POWER SWIVEL.LD 345 JTS 2-7/8"EUE TBG. SDFN
7/7/2008	07:00 - 00:00	17.00	C			HSM. LD 1 JT 2-7/8"EUE TBG. CHANGE EQUIPMENT OVER TO PULL 2-3/8"EUE TBG.LD 90 JTS 2-3/8"EUE TBG, DRILL COLLARS & MILL. RD RIG. RU PERFOLOG & RUN BOND LOG UNDER 4500 PSI. RU TEST TRUCK & PRESSURE TEST CSG TO 8500 PSI FOR 15 MINUTES. BLEED PRESSURE TO 1000 PSI.OK RD TEST TRUCK. PERFORATE RUN #1 13855' TO 13979, 3 JSPF.
7/8/2008	00:00 - 00:00	24.00	C			CONTINUE PERFORATE STAGE 1 PERFORATIONS. PRESSURE INCREASED FROM 1000 PSI TO 3000 PSI AFTER STAGE 1, RUN # 4,13563' TO 13479', & CLIMBED TO 3500 PSI WHILE PERFORATING RUN # 5, 13469' TO 13285'. RD WIRE LINE TRUCK. RU STINGER CSG ISOLATION TOOL. PRESSURE TEST LINES. BREAK DOWN STAGE 1 PERFORATIONS @ 5762 PSI. TREAT STAGE 1 PERFS W/ 5000 GAL 15% HCL ACID, USIG 190 BIO BALLS FOR DIVERSION. FLUSH 10 BBLS PAST BTM PERF. ISIP 5631 PSI. 5 MIN 5522 PSI. 10 MIN 5435 PSI. 15 MIN 5379 PSI. SURG BIO BALLS OFF OF PERFS. WAIT 1 HR FOR BIO BALLS TO DISOLVE. PRESSURE TEST LINES. REPAIR LEAK ON MISSLE. FRAC STAGE 1 PERFORATIONS W/ 9878# 100 MESH SAND IN 1/2 # STAGE & 178224# 20/40 SINTER BALL SAND IN 13, 2#, 3#, & 4# STAGES. FLUSH TO TOP PERF. MAX PSI 8199 PSI. AVG PSI 6507 PSI. AVG RATE 61.6 BPM. ISIP 5776 PSI. 5 MIN 5631 PSI. 10 MIN 5522 PSI. 15 MIN 5544 PSI. RD BJ FRAC LINES. RD CSG ISOLUTION TOOL. RU WIRE LINE UNIT. SET CBP @ 13269'. PRESSURE TEST TO 8500 PSI. OK. BLEED PRESSURE TO 1000 PSI. PERFORATE 1st RUN OF STAGE 2 PERFORATIONS.
7/9/2008	00:00 - 00:00	24.00	C			CONTINUE PERFORATING STAGE 2 PERFORATIONS. WELL PRESSURED UP TO 3000 PSI AFTER RUN # 1 & ROSE TO 3500 PSI ON LAST RUN. RD PERFORATERS. RU STINGER CSG ISOLUTION TOOL. RU BJ FRAC LINES. PRESSURE TEST TO 8500 PSI. BREAK DOWN PERFORATIONS @ 4014 PSI , 9.3 BPM. TREAT PERFORATIONS W/ 5000 GAL 15% HCL ACID & 200 BIO BALL SEALERS. FLUSH 10 BBBLS PAST BTM PERF. 5 MIN 3057 PSI. 10 MIN 224 PSI. 15 MIN 0 PSI. WAIT 1 HR FOR BALLS TO DISSOLVE. TREAT PERFORATIONS W/ 13578 POUNDS 100 MESH SAND IN 1/2 # STAGE & 142020 # 20/40 SINTERBALL SAND IN 1#, 2# & 3# STAGES. LOST DISCHARGE PUMP ON BLENDER 655 BBLS INTO 3# STAGE. FLUSH 10 BBLS PAST TOP PERF TO ALLOW FOR PLUG SETTING. 5 MIN SICP 5737 PSI. 10 MIN SICP 5650 PSI. 15 MIN SICP 5572 PSI. SHUT WELL IN. RD STINGER. RU WIRELINE TRUCK. SET CBP @ 12415' & PRESSURE TEST TO 8100 PSI. OK.PERFORATE

EL PASO PRODUCTION

Operations Summary Report

Legal Well Name:	BROTHERSON 3-11B4				
Common Well Name:	BROTHERSON 3-11B4			Spud Date:	4/22/2008
Event Name:	COMPLETION	Start:	7/3/2008	End:	8/16/2008
Contractor Name:	BASIC ENERGY	Rig Release:	8/16/2008	Group:	
Rig Name:	BASIC	Rig Number:	1474		

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/9/2008	00:00 - 00:00	24.00	C			RUN 1 OF 6 PERFORATING RUNS.
7/10/2008	06:00 - 06:00	24.00	C	18		SICP-1000 PSI SISCP-0 PSI RU STINGER RU BJS FOR BRK DWN AND FRAC HOLD PRE PMP SAFETY & OPERATIONS MEETING PRESS TEST LINES TO 9500 PSI OPEN WELL 1100 PSI ON WELL PMP 24 BBL PAD GET BRK @ 4370 PSI PMP 5000 GAL ACID W/ 215 BIO BALLS FLUSH W/ 17800 GAL KCL WATER AVG RATE 21 BPM MAX RATE 25 BPM AVG PRESS 4200 PSI MAX PRESS 4375 PSI DIVERSION GOOD ISIP 3362 PSI 5 MIN 1921 PSI 10 MIN 1082 PSI 15 MIN 535 PSI SURGE BALLS OFF PERFS WAIT 1 HR OPEN WELL START FRAC 0 PSI ON WELL 109 BBLS TO FILL 5000 GAL PAD 30000 GAL W/ .5 PBG 100 MESH SAND 5000 GAL SPACER 25000 GAL W/ 1 PBG 20/40 SINTERBALL 35000 GAL W/ 2 BPG 20/40 SINTERBALL 25000 GAL W/ 3 BPG SINTERBALL 25000 GAL W/ 4 PBG SINTERBALL FLUSH W/ 17480 GAL AVG RATE 75 BPM MAX RATE 77 BPM AVG PRESS 4338 PSI MAX PRESS 6269 PSI ISIP 4634 PSI 5 MIN 3712 PSI 10 MIN 3570 PSI 15 MIN 3431 PSI FG .821 JOB WENT WELL RD BJ RU PERF O LOG SET PLUG HAD 1 MISS FIRE ON PLUG PRESS TEST PLUG TO 8000 PSI OK PERF 4 STAGE FROM 11484 TO 10759' 76 INTERVALS 288 SHOTS 11 GUN RUNS MADE 4 EXTRA RUNS MISS FIRE FOUND PROBLEM IN WIRE DRUM SPOOL ASSEM AFTER ALL SHOTS MADE 0 PSI ON WELL
7/11/2008	00:00 -		C			CONTINUE PERFORATING STAGE 4 PERFORATIONS. SET OFF 45' OF 80 GRAM PRIMER CHORD ON 15' SHOT ROD @ 6250', FOR SEISMIC FRAC MONITERING. RU STINGER ISOLATION TOOL. PRESSURE TEST TO 8500 PSI. BREAK DOWN PERFORATIONS @ 2384 PSI @ 11.7 BPM. TREAT PERFORATIONS W/ 8000 GAL 15% HCL ACID, USING 215 BIO BALL SEALERS FOR DIVERSION.. FLUSH ACID 10 BBLS PAST BOTTOM PERFORATION. ISIP0 PSI. WAIT 1 HR FOR BALLS TO DISSOLVE. FRAC WELL W/ 10582# 100 MESH SAND IN 1/2# STAGE, & 207,824 # CARBOPROP SAND, 75,000 # SINTERBALL SAND, 6300 # SINTERLITE BAUXITE SAND IN 1#, 2#, 3# & 4# STAGES. DID NOT PUMP 5# STAGE AS FRAC WAS DESIGNED. FLUSH BSAND TO TOP PERF. ISIP 6800 PSI. 5 MIN 5409. 10 MIN 4741 PSI. 15 MIN 4160 PSI. RD BJ & STINGER. RU FLOW BACK LINES. OPEN WELL TO FLOW BACK TANK. WELL DEAD. SDFN
7/12/2008	07:00 - 15:00	8.00	c			PREPARE LOCATION FOR COIL TBG UNIT
7/13/2008	07:00 - 15:00	8.00	C			WAIT FOR & SPOT COIL TBG EQUIPMENT
7/14/2008	07:00 -		C			HSM. RU COIL TBG UNIT & MU 3-5/8"OD MILL, MOTOR & JAR ASSEMBLY. RIH TO CBP @ 11470' CTM. POOH W/ MILL TO 9970'. CIRCULATE 1/2 HR. TAG LINER TOP @ 11190' CTM. HAD TROUBLE WORKING MILL IN LINER. WORKED MILL FOR 3 HRS TO GET TO 11251' W/ MOTOR STALLING & MILL TORQUING. MILL HUNG UP. ATTEMPT TO JAR MILL FREE, PULLING 25K OVER STRING WEIGHT. JARS DID NOT WORK. CYCLED COIL TBG 10 TTL TIMES, W/ NO PRESSURE ON COIL, W/ ONLY FLUID IN COIL & W/ NITROGEN & WTR IN COIL. COULD NOT WORK COIL FREE. PUMP BALL & DISCONNECT, DISCONNECT SUB. POOH W/
7/15/2008	07:00 - 16:00	9.00	C			HSM. MOVE BASIC ENERGY RIG 1508 TO LOCATION & RU. MEASURE & MU OVERSHOT ASSEMBLY AS FOLLOWS, 3-5/8"OD OVERSHOT DRESSED TO FISH 2-7/8"OD, X-OVER, BUMPER SUB, JAR, 4 DRILL COLLARS, INTENSIFIER, X-OVER, PUP JT, 10 JTS 2-3/8"EUE TBG, X-OVER & 172 JTS 2-7/8"EUE TBG. SDFN

EL PASO PRODUCTION

Operations Summary Report

Legal Well Name: BROTHERSON 3-11B4
Common Well Name: BROTHERSON 3-11B4
Event Name: COMPLETION
Contractor Name: BASIC ENERGY
Rig Name: BASIC

Start: 7/3/2008
Rig Release: 8/16/2008
Rig Number: 1474

Spud Date: 4/22/2008
End: 8/16/2008
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/16/2008	07:00 - 19:00	12.00	c			HSM. CONTINUE PU TBG. TAG SAND @ 11005'. RU STRIPPER HEAD & POWER SWIVEL. PUMP 135 BBLS 2% KCL WTR TO BREAK CIRCULATION. CIRCULATE DOWN TO 11239' SLM. WORK OVERSHOT OVER FISH. JAR FISH FREE. LD1 JT TBG. RD POWER SWIVEL. TOOH W/ 20 JTS TBG. SDFN
7/17/2008	07:00 - 19:00	12.00	C			HSM. SICP 1=0 PSI. SITP 0 PSI. LD 85 JTS 2-7/8"EUE TBG. TOOH W/ TBG, FISHING TOOLS & FISH. MILL HAD 2' OF 5/16" ROD WRAPPED AROUND FISH NECK, & BENT AROUND FACE OF MILL. POSSIBLY PART OF SHOT ROD RAN BY PERFOLOG ON 7/11/2008 FOR SYSMIC CORROLATION. TIH W/ 3-5/8"OD MILL, BIT SUB, X-OVER, 91 JTS 2-3/8"EUE TBG, X-OVER & 133 JTS 2-7/8"EUE TBG. SDFN
7/18/2008	07:00 - 19:00	12.00				HSM. TIH W/ 156 JTS 2-7/8"EUE TBG. TAG SAND @ 11137'. RU POWER SWIVEL. PUMP 70 BBLS 2% KCL WTR TO BREAK CIRCULATION. CLEAN OUT SAND TO CBP @ 11515'. MILL ON IRON & CBP FOR 3 HRS, UNPLUGGING MILL AS NEEDED TO CIRCULATE. CIRCULATE CLEAN. TOOH W/ 20 JTS 2-7/8"EUE TBG. SDFN
7/19/2008	07:00 - 18:00	11.00	C			HSM. TIH W/ 21 JTS 2-7/8"EUE TBG. RU POWER SWIVEL & BREAK CIRCULATION. CONTINUE MILLING ON IRON & CBP FOR 2-1/2 HRS. PLUG STARTED MOVING DOWN HOLE. LOST CIRCULATION. PUMP 70 BBLS 2% KCL WTR TO GET CIRCULATION. CIRCULATE TBG CLEAN. RD POWER SWIVEL. RIH & TAG SAND & CBP REMAINS @ 11860'. RU POWER SWIVEL & BREAK CIRCULATION. MILL 2 HRS W/ MILL PLUGGING. RD POWER SWIVEL. TOOH W/279 JTS 2-7/8"EUE TBG. SDFN
7/20/2008	07:00 - 19:30	12.50	C			HSM. SICP 100 PSI. SITP 0 PSI. BLEED PRESSURE OFF WELL. TOOH W/ 2 JTS 2-7/8"EUE TBG, X-OVER, 91 JTS 2-3/8"EUE TBG, X-OVER, BIT SUB & 3-5/8"OD MILL. MILL WAS PLUGGED W/ RUBBER & IRON. RIH W/ 3-5/8"OD MILL, BIT SUB, 1 JT 2-3/8"EUE TBG, SEAT NIPPLE, 90 JTS 2-3/8"EUE TBG, X-OVER, & 280 JTS 2-7/8"EUE TBG. TAG UP @ 11847'. RU POWER SWIVEL.PUMP 220 BBLS 2% KCL WTR TO BREAK CIRCULATION. MILL UP CBP REMAINS & CLEAN OUT SAND TO 11943'. CIRCULATE HOLE CLEAN. RD POWER SWIVEL. TOOH W/ 30 JTS 2-7/8"EUE TBG. SDFN. LOST 600 BBLS 2% KCL WTR TODAY.
7/21/2008	07:00 -		C			HSM. TIH W/ 30 JTS 2-7/8"EUE TBG. RU POWER SWIVEL. PUMP 170 BBLS 2% KCL WTR TO BREAK CIRCULATION. CLEAN OUT SAND FROM 11943' TO CBP @ 12407' SLM. CIRCULATE HOLE CLEAN. RD POWER SWIVEL. TOOH W/ 50 JTS TBG. SDFN. LOST 600 BBLS 2% KCL WTR TODAY.
7/22/2008	07:00 -		C			HSM. SITP 150 PSI. SICP 150 PSI.TIH & TAG CBP @ 12407'. FILL HOLE W/ 170 BBLS 2% KCL WTR & CIRCULATE GAS & OIL OUT OF WELL BORE. MILL UP CBP & CIRCULATE GAS & OIL OUT OF TBG. RD POWER SWIVEL. RIH TO12874'. TAG SAND. RU POWER SWIVEL & BREAK CIRCULATION. CLEAN OUT SAND TO CBP @ 13261 SLM. CIRCULATE BOTTOMS UP. KILL TBG W/ 20 BBLS 10# BRINE WTR. RD POWER SWIVEL. TOOH W/ 80 JTS TBG. SDFN W/ MILL @ 10701'.
7/23/2008	07:00 - 15:30	8.50	C			HSM. SITP 0 PSI. SICP 75 PSI. TIH W/ 80 JTS 2-7/8"EUE TBG. RU POWER SWIVEL. PUMP 20 BBLS 2% KCL WTR TO BREAK REVERSE CIRCULATION. CIRCULATE GAS & OIL OUT OF WELL. DRILL OUT CBP @ 13261' SLM. LOST 12K STRING WEIGHT &

EL PASO PRODUCTION

Operations Summary Report

Legal Well Name: BROTHERSON 3-11B4
Common Well Name: BROTHERSON 3-11B4
Event Name: COMPLETION
Contractor Name: BASIC ENERGY
Rig Name: BASIC

Start: 7/3/2008
Rig Release: 8/16/2008
Rig Number: 1474

Spud Date: 4/22/2008
End: 8/16/2008
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/23/2008	07:00 - 15:30	8.50	C			CIRCULATING PRESSURE CLIMBED FROM 1000 PSI TO 2500 PSI, AS PLUG WAS DRILLED. CIRCULATE WELL 2-1/2 HRS W/ RETURNING SEVERAL BBLS OIL. TBG PRESSURE DID NOT DROP BELOW 350 PSI. PUMP 25 BBLS 10# BRINE WTR DOWN TBG. TIH & TAG FILL @ 13915', W/ WELL FLOWING UP CSG. TOOH W/ 106 JTS TBG. SDFN
7/25/2008	07:00 - 15:30	8.50	C			HSM. SICP 1300 PSI. SITP 0 PSI. RU SWAB EQUIPMENT. MADE 5 SWAB RUNS. WELL STARTED FLOWING. FLOW WELL TO FLOW BACK TANK 1 HR. TURN WELL TO TANK BATTERY. SDFN
8/9/2008	12:00 - 16:30	4.50	C			HSM. MOVE RIG TO LOCATION. TRAC HOE PARKED ON DEAD MAN. LAY PUMP LINES WHILE WAITING ON TRACK HOE OPERATER TO DRIVE TO LOCATION & MOVE TRACK HOE. RU RIG. PREP EQUIPMENT TO NU BOP & CLEAN OUT WELL. SDFN
8/10/2008	07:00 - 19:00	12.00	C			HSM. KILL TBG W/ 15 BBLS 2 % KCL WTR. ND WELLHEAD. NU BOP. KILL CSG W/ 20 BBLS 2% KCL WTR. PU 102 JTS 2-7/8"EUE TBG, TAG SAND @ 13942'. RU POWER SWIVEL & BREAK CIRCULATION. CIRCULATE OIL OUT OF WELLBORE. CLEAN OUT SAND TO 13992'. CIRCULATE BTMS UP. RD POWER SWIVEL. TOOH W/ 110 JTS 2-7/8"EUE TBG. SDFN
8/11/2008	-					NO ACTIVETY TODAY. SHUT DOWN FOR SUNDAY
8/12/2008	07:00 - 22:00	15.00	C	06		HSM TSIP 150 PSI CSIP 700 PSI BLEED DWN PMP 20 BBLS 2% KCL DWN TBG TIH w 110 JTS 2 7/8" N-80 EUE 8RD TBG TAG @ 14032' RU POWER SWIVEL ESTABLISH CIRC w 120 BBLS 2% KCL CIRC 240 BBLS OIL TO FLAT TANK... CLEAN OUT WELL TO 14099' CRIC BMTS UP RD POWER SWIVEL LD 5 JTS 2 7/8" N-80 EUE 8RD TBG TOH w 345 JTS 2 7/8" N-80 EUE 8RD TBG LD 91 JTS 2 3/8" N-80 EUE 8RD TBG LD BIT SUB AND BIT ND BOP'S NU WELL HEAD NU BOP'S PREPARE TO RUN ESP PMP IN AM SECURE WELL SDFN
8/13/2008	07:00 - 15:00	8.00	C	06		HSM CSIP 200 PSI RIG WOULD NOT START ATTEMPT TO START RIG CALL OUT MECHANICS ATTEMPT TO FIX RIG TURN WELL TO TREATER SDFN
8/14/2008	07:00 - 11:00	4.00	C	06		HSM GOT RIG STARTED... RIG DIED ATTEMPT TO START RIG FAIL PULLED OFF ECM (ELEC CONTROLL MODULAR) HOT SHOT ECM TO HADEN COLO TO REPARE OR REPLACE TURN WELL TO TREATER SDFD
8/15/2008	07:00 - 16:00	9.00	C	06		HSM REPAIRED RIG NU HYDRILL, SLIPS AND FLOOR LEAVE WELL FLOWING TO TREATER READY TO TIH w ESP PMP IN THE AM.
8/16/2008	07:00 - 23:00	16.00	C	06		HSM CSIP 100 PSI BLED WELL DWN RU AND PMP 80 BBLS BRANE WTR RU CENTRAILIFT PU AND ASSEMBLE ESP PMP PU 1- 2 7/8" N-80 EUE 8RD X 6' TBG SUB 1 JT 2 7/8" N-80 EUE 8RD TBG 2 7/8" DRAIN 1 JT 2 7/8" N-80 EUE 8RD TBG 2 7/8" +45 SEATING NIPPLE 2 JTS 2 7/8" N-80 EUE 8RD TBG COLLAR STOP TIH w 136 JTS OF 2 7/8" N-80 EUE 8RD TBG PMP 80 BBLS BRINE AND 220 BBLS KCL TO KILL WELL CONT TIH w 200 JTS 2 7/8" N-80 EUE 8RD TBG LAND TBG IN HANGER EOT @ 10740' RD CENTRAILIFT ND HYRDILL ND BOP'S NU WELL HEAD TURN WELL OVER TO PRODUCTION SDFW.

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: **6/1/2012**

FROM: (Old Operator):	**TO:** (New Operator):
N3065- El Paso E&P Company, L.P.	N3850- EP Energy E&P Company, L.P.
1001 Louisiana Street	1001 Louisiana Street
Houston, TX. 77002	Houston, TX. 77002
Phone: 1 (713) 997-5038	Phone: 1 (713) 997-5038

CA No. **Unit:** N/A

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

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: 6/25/2012
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/25/2012
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 6/27/2012

4a. Is the new operator registered in the State of Utah: _____ Business Number: 2114377-0181

5a. (R649-9-2)Waste Management Plan has been received on: Yes

5b. Inspections of LA PA state/fee well sites complete on: N/A

5c. Reports current for Production/Disposition & Sundries on: 6/25/2012

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 Not Received
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
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: Second Oper Chg

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 6/29/2012
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 6/29/2012
3. Bond information entered in RBDMS on: 6/29/2012
4. Fee/State wells attached to bond in RBDMS on: 6/29/2012
5. Injection Projects to new operator in RBDMS on: 6/29/2012
6. Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: 103601420
2. Indian well(s) covered by Bond Number: 103601473

3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 400JU0705

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: 6/29/2012

COMMENTS:

Disposal and Injections wells will be moved when UIC 5 is received.

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: Multiple Leases

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:

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

8. WELL NAME and NUMBER: See Attached

2. NAME OF OPERATOR: El Paso E&P Company, L.P. Attn: Maria Gomez

9. API NUMBER:

3. ADDRESS OF OPERATOR: 1001 Louisiana CITY Houston STATE TX ZIP 77002 PHONE NUMBER: (713) 997-5038

10. FIELD AND POOL, OR WILDCAT: See Attached

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See Attached

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: Change of Name/Operator
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

Please be advised that El Paso E&P Company, L.P. (current Operator) has changed names to EP Energy E&P Company, L.P. (new Operator) effective June 1, 2012 and that EP Energy E&P Company, L.P. is considered the new operator of the attached well locations.

EP Energy E&P Company, L.P. is responsible under the terms and conditions of the lease(s) for the operations conducted upon leased lands. Bond coverage is provided by the State of Utah Statewide Blanket Bond No. 400JU0705, Bureau of Land Management Nationwide Bond No. 103601420, and Bureau of Indian Affairs Nationwide Bond No. 103601473.

Frank W. Falleri
Vice President
El Paso E&P Company, L.P.

Frank W. Falleri
Sr. Vice President
EP Energy E&P Company, L.P.

NAME (PLEASE PRINT) Maria S. Gomez TITLE Principal Regulatory Analyst

SIGNATURE Maria S. Gomez DATE 6/22/2012

(This space for State use only)

APPROVED 6/29/2012
Rachel Medina
Division of Oil, Gas and Mining
~~Earlene Russell, Engineering Technician~~
Rachel Medina

RECEIVED
JUN 25 2012
DIV. OF OIL, GAS & MINING

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

El Paso E1 Company, L.P. (N3065) to EP Energy E1 Company, L.P. (N3850) effective 6/1/2012

Well Name	Sec	TWP	RNG	API Number	Entity	Lease Type	Well Type	Well Status	Conf
DWR 3-17C6	17	030S	060W	4301350070		14204621118	OW	APD	C
LAKEWOOD ESTATES 3-33C6	33	030S	060W	4301350127		1420H621328	OW	APD	C
YOUNG 3-15A3	15	010S	030W	4301350122		FEE	OW	APD	C
WHITING 4-1A2	01	010S	020W	4301350424		Fee	OW	APD	C
EL PASO 4-34A4	34	010S	040W	4301350720		Fee	OW	APD	C
YOUNG 2-2B1	02	020S	010W	4304751180		FEE	OW	APD	C
LAKE FORK RANCH 3-10B4	10	020S	040W	4301350712	18221	Fee	OW	DRL	C
LAKE FORK RANCH 4-26B4	26	020S	040W	4301350714	18432	Fee	OW	DRL	C
LAKE FORK RANCH 4-24B4	24	020S	040W	4301350717	18315	Fee	OW	DRL	C
Cook 4-14B3	14	020S	030W	4301351162	18449	Fee	OW	DRL	C
Peterson 4-22C6	22	030S	060W	4301351163	18518	Fee	OW	DRL	C
Lake Fork Ranch 4-14B4	14	020S	040W	4301351240	99999	Fee	OW	DRL	C
Melesco 4-20C6	20	030S	060W	4301351241	99999	Fee	OW	DRL	C
Peck 3-13B5	13	020S	050W	4301351364	99999	Fee	OW	DRL	C
Jensen 2-9C4	09	030S	040W	4301351375	99999	Fee	OW	DRL	C
El Paso 3-5C4	05	030S	040W	4301351376	18563	Fee	OW	DRL	C
ULT 6-31	31	030S	020E	4304740033		FEE	OW	LA	
OBERHANSLY 2-2A1	02	010S	010W	4304740164		FEE	OW	LA	
DWR 3-15C6	15	030S	060W	4301351433		14-20-H62-4724	OW	NEW	C
Lake Fork Ranch 5-23B4	23	020S	040W	4301350739		Fee	OW	NEW	
Duchesne Land 4-10C5	10	030S	050W	4301351262		Fee	OW	NEW	C
Cabinland 4-9B3	09	020S	030W	4301351374		Fee	OW	NEW	C
Layton 4-2B3	02	020S	030W	4301351389		Fee	OW	NEW	C
Golinski 4-24B5	24	020S	050W	4301351404		Fee	OW	NEW	C
Alba 1-21C4	21	030S	040W	4301351460		Fee	OW	NEW	C
Allison 4-19C5	19	030S	050W	4301351466		Fee	OW	NEW	C
Seeley 4-3B3	03	020S	030W	4301351486		Fee	OW	NEW	C
Allen 4-25B5	25	020S	050W	4301351487		Fee	OW	NEW	C
Hewett 2-6C4	06	030S	040W	4301351489		Fee	OW	NEW	C
Young 2-7C4	07	030S	040W	4301351500		Fee	OW	NEW	C
Brighton 3-31A1E	31	010S	010E	4304752471		Fee	OW	NEW	C
Hamaker 3-25A1	25	010S	010W	4304752491		Fee	OW	NEW	C
Bolton 3-29A1E	29	010S	010E	4304752871		Fee	OW	NEW	C
HORROCKS 5-20A1	20	010S	010W	4301334280	17378	FEE	OW	OPS	C
DWR 3-19C6	19	030S	060W	4301334263	17440	14-20-462-1120	OW	P	
DWR 3-22C6	22	030S	060W	4301334106	17298	14-20-462-1131	OW	P	
DWR 3-28C6	28	030S	060W	4301334264	17360	14-20-462-1323	OW	P	
UTE 1-7A2	07	010S	020W	4301330025	5850	14-20-462-811	OW	P	
UTE 2-17C6	17	030S	060W	4301331033	10115	14-20-H62-1118	OW	P	
WLR TRIBAL 2-19C6	19	030S	060W	4301331035	10250	14-20-H62-1120	OW	P	
CEDAR RIM 10-A-15C6	15	030S	060W	4301330615	6420	14-20-H62-1128	OW	P	
CEDAR RIM 12A	28	030S	060W	4301331173	10672	14-20-H62-1323	OW	P	
UTE-FEE 2-33C6	33	030S	060W	4301331123	10365	14-20-H62-1328	OW	P	
TAYLOR 3-34C6	34	030S	060W	4301350200	17572	1420H621329	OW	P	
BAKER UTE 2-34C6	34	030S	060W	4301332634	14590	14-20-H62-1329	OW	P	
UTE 3-35Z2 K	35	010N	020W	4301331133	10483	14-20-H62-1614	OW	P	
UTE 1-32Z2	32	010N	020W	4301330379	1915	14-20-H62-1702	OW	P	
UTE TRIBAL 1-33Z2	33	010N	020W	4301330334	1851	14-20-H62-1703	OW	P	
UTE 2-33Z2	33	010N	020W	4301331111	10451	14-20-H62-1703	OW	P	
UTE TRIBAL 2-34Z2	34	010N	020W	4301331167	10668	14-20-H62-1704	OW	P	
LAKE FORK RANCH 3-13B4	13	020S	040W	4301334262	17439	14-20-H62-1743	OW	P	
UTE 1-28B4	28	020S	040W	4301330242	1796	14-20-H62-1745	OW	P	
UTE 1-34A4	34	010S	040W	4301330076	1585	14-20-H62-1774	OW	P	
UTE 1-36A4	36	010S	040W	4301330069	1580	14-20-H62-1793	OW	P	
UTE 1-1B4	01	020S	040W	4301330129	1700	14-20-H62-1798	OW	P	
UTE 1-31A2	31	010S	020W	4301330401	1925	14-20-H62-1801	OW	P	

UTE 1-25A3	25	010S	030W	4301330370	1920	14-20-H62-1802	OW	P	
UTE 2-25A3	25	010S	030W	4301331343	11361	14-20-H62-1802	OW	P	
UTE 1-26A3	26	010S	030W	4301330348	1890	14-20-H62-1803	OW	P	
UTE 2-26A3	26	010S	030W	4301331340	11349	14-20-H62-1803	OW	P	
UTE TRIBAL 4-35A3	35	010S	030W	4301350274	18009	1420H621804	OW	P	C
UTE 2-35A3	35	010S	030W	4301331292	11222	14-20-H62-1804	OW	P	
UTE 3-35A3	35	010S	030W	4301331365	11454	14-20-H62-1804	OW	P	
UTE 1-6B2	06	020S	020W	4301330349	1895	14-20-H62-1807	OW	P	
UTE 2-6B2	06	020S	020W	4301331140	11190	14-20-H62-1807	OW	P	
UTE TRIBAL 3-6B2	06	020S	020W	4301350273	18008	14-20-H62-1807	OW	P	C
POWELL 4-19A1	19	010S	010W	4301330071	8302	14-20-H62-1847	OW	P	
COLTHARP 1-27Z1	27	010N	010W	4301330151	4700	14-20-H62-1933	OW	P	
UTE 1-8A1E	08	010S	010E	4304730173	1846	14-20-H62-2147	OW	P	
UTE TRIBE 1-31	31	010N	020W	4301330278	4755	14-20-H62-2421	OW	P	
UTE 1-28B6X	28	020S	060W	4301330510	11165	14-20-H62-2492	OW	P	
RINKER 2-21B5	21	020S	050W	4301334166	17299	14-20-H62-2508	OW	P	
MURDOCK 2-34B5	34	020S	050W	4301331132	10456	14-20-H62-2511	OW	P	
UTE 1-35B6	35	020S	060W	4301330507	2335	14-20-H62-2531	OW	P	
UTE TRIBAL 1-17A1E	17	010S	010E	4304730829	860	14-20-H62-2658	OW	P	
UTE 2-17A1E	17	010S	010E	4304737831	16709	14-20-H62-2658	OW	P	
UTE TRIBAL 1-27A1E	27	010S	010E	4304730421	800	14-20-H62-2662	OW	P	
UTE TRIBAL 1-35A1E	35	010S	010E	4304730286	795	14-20-H62-2665	OW	P	
UTE TRIBAL 1-15A1E	15	010S	010E	4304730820	850	14-20-H62-2717	OW	P	
UTE TRIBAL P-3B1E	03	020S	010E	4304730190	4536	14-20-H62-2873	OW	P	
UTE TRIBAL 1-22A1E	22	010S	010E	4304730429	810	14-20-H62-3103	OW	P	
B H UTE 1-35C6	35	030S	060W	4301330419	10705	14-20-H62-3436	OW	P	
BH UTE 2-35C6	35	030S	060W	4301332790	15802	14-20-H62-3436	OW	P	
MCFARLANE 1-4D6	04	040S	060W	4301331074	10325	14-20-H62-3452	OW	P	
UTE TRIBAL 1-11D6	11	040S	060W	4301330482	6415	14-20-H62-3454	OW	P	
CARSON 2-36A1	36	010S	010W	4304731407	737	14-20-H62-3806	OW	P	
UTE 2-14C6	14	030S	060W	4301330775	9133	14-20-H62-3809	OW	P	
DWR 3-14C6	14	030S	060W	4301334003	17092	14-20-H62-3809	OW	P	
THE PERFECT "10" 1-10A1	10	010S	010W	4301330935	9461	14-20-H62-3855	OW	P	
BADGER-SAM H U MONGUS 1-15A1	15	010S	010W	4301330949	9462	14-20-H62-3860	OW	P	
MAXIMILLIAN-UTE 14-1	14	010S	030W	4301330726	8437	14-20-H62-3868	OW	P	
FRED BASSETT 1-22A1	22	010S	010W	4301330781	9460	14-20-H62-3880	OW	P	
UTE TRIBAL 1-30Z1	30	010N	010W	4301330813	9405	14-20-H62-3910	OW	P	
UTE LB 1-13A3	13	010S	030W	4301330894	9402	14-20-H62-3980	OW	P	
UTE 2-22B6	22	020S	060W	4301331444	11641	14-20-H62-4614	OW	P	
UINTA OURAY 1-1A3	01	010S	030W	4301330132	5540	14-20-H62-4664	OW	P	
UTE 1-6D6	06	040S	060W	4301331696	12058	14-20-H62-4752	OW	P	
UTE 2-11D6	11	040S	060W	4301350179	17667	1420H624801	OW	P	
UTE 1-15D6	15	040S	060W	4301330429	10958	14-20-H62-4824	OW	P	
UTE 2-15D6	15	040S	060W	4301334026	17193	14-20-H62-4824	OW	P	
HILL 3-24C6	24	030S	060W	4301350293	18020	1420H624866	OW	P	C
BARCLAY UTE 2-24C6R	24	030S	060W	4301333730	16385	14-20-H62-4866	OW	P	
BROTHERSON 1-2B4	02	020S	040W	4301330062	1570	FEE	OW	P	
BOREN 1-24A2	24	010S	020W	4301330084	5740	FEE	OW	P	
FARNSWORTH 1-13B5	13	020S	050W	4301330092	1610	FEE	OW	P	
BROADHEAD 1-21B6	21	020S	060W	4301330100	1595	FEE	OW	P	
ASAY E J 1-20A1	20	010S	010W	4301330102	8304	FEE	OW	P	
HANSON TRUST 1-5B3	05	020S	030W	4301330109	1635	FEE	OW	P	
ELLSWORTH 1-8B4	08	020S	040W	4301330112	1655	FEE	OW	P	
ELLSWORTH 1-9B4	09	020S	040W	4301330118	1660	FEE	OW	P	
ELLSWORTH 1-17B4	17	020S	040W	4301330126	1695	FEE	OW	P	
CHANDLER 1-5B4	05	020S	040W	4301330140	1685	FEE	OW	P	
HANSON 1-32A3	32	010S	030W	4301330141	1640	FEE	OW	P	
JESSEN 1-17A4	17	010S	040W	4301330173	4725	FEE	OW	P	

JENKINS 1-1B3	01	020S	030W	4301330175	1790	FEE	OW	P	
GOODRICH 1-2B3	02	020S	030W	4301330182	1765	FEE	OW	P	
ELLSWORTH 1-19B4	19	020S	040W	4301330183	1760	FEE	OW	P	
DOYLE 1-10B3	10	020S	030W	4301330187	1810	FEE	OW	P	
JOS. SMITH 1-17C5	17	030S	050W	4301330188	5510	FEE	OW	P	
RUDY 1-11B3	11	020S	030W	4301330204	1820	FEE	OW	P	
CROOK 1-6B4	06	020S	040W	4301330213	1825	FEE	OW	P	
HUNT 1-21B4	21	020S	040W	4301330214	1840	FEE	OW	P	
LAWRENCE 1-30B4	30	020S	040W	4301330220	1845	FEE	OW	P	
YOUNG 1-29B4	29	020S	040W	4301330246	1791	FEE	OW	P	
GRIFFITHS 1-33B4	33	020S	040W	4301330288	4760	FEE	OW	P	
POTTER 1-2B5	02	020S	050W	4301330293	1826	FEE	OW	P	
BROTHERSON 1-26B4	26	020S	040W	4301330336	1856	FEE	OW	P	
SADIE BLANK 1-33Z1	33	010N	010W	4301330355	765	FEE	OW	P	
POTTER 1-24B5	24	020S	050W	4301330356	1730	FEE	OW	P	
WHITEHEAD 1-22A3	22	010S	030W	4301330357	1885	FEE	OW	P	
CHASEL MILLER 2-1A2	01	010S	020W	4301330360	5830	FEE	OW	P	
ELDER 1-13B2	13	020S	020W	4301330366	1905	FEE	OW	P	
BROTHERSON 2-10B4	10	020S	040W	4301330443	1615	FEE	OW	P	
FARNSWORTH 2-7B4	07	020S	040W	4301330470	1935	FEE	OW	P	
TEW 1-15A3	15	010S	030W	4301330529	1945	FEE	OW	P	
UTE FEE 2-20C5	20	030S	050W	4301330550	4527	FEE	OW	P	
HOUSTON 1-34Z1	34	010N	010W	4301330566	885	FEE	OW	P	
GALLOWAY 1-18B1	18	020S	010W	4301330575	2365	FEE	OW	P	
SMITH 1-31B5	31	020S	050W	4301330577	1955	FEE	OW	P	
LEBEAU 1-34A1	34	010S	010W	4301330590	1440	FEE	OW	P	
LINMAR 1-19B2	19	020S	020W	4301330600	9350	FEE	OW	P	
WISSE 1-28Z1	28	010N	010W	4301330609	905	FEE	OW	P	
POWELL 1-21B1	21	020S	010W	4301330621	910	FEE	OW	P	
HANSEN 1-24B3	24	020S	030W	4301330629	2390	FEE	OW	P	
OMAN 2-4B4	04	020S	040W	4301330645	9125	FEE	OW	P	
DYE 1-25Z2	25	010N	020W	4301330659	9111	FEE	OW	P	
H MARTIN 1-21Z1	21	010N	010W	4301330707	925	FEE	OW	P	
JENSEN 1-29Z1	29	010N	010W	4301330725	9110	FEE	OW	P	
CHASEL 2-17A1 V	17	010S	010W	4301330732	9112	FEE	OW	P	
BIRCHELL 1-27A1	27	010S	010W	4301330758	940	FEE	OW	P	
CHRISTENSEN 2-8B3	08	020S	030W	4301330780	9355	FEE	OW	P	
LAMICQ 2-5B2	05	020S	020W	4301330784	2302	FEE	OW	P	
BROTHERSON 2-14B4	14	020S	040W	4301330815	10450	FEE	OW	P	
MURRAY 3-2A2	02	010S	020W	4301330816	9620	FEE	OW	P	
HORROCKS 2-20A1 V	20	010S	010W	4301330833	8301	FEE	OW	P	
BROTHERSON 2-2B4	02	020S	040W	4301330855	8420	FEE	OW	P	
ELLSWORTH 2-8B4	08	020S	040W	4301330898	2418	FEE	OW	P	
OMAN 2-32A4	32	010S	040W	4301330904	10045	FEE	OW	P	
BELCHER 2-33B4	33	020S	040W	4301330907	9865	FEE	OW	P	
BROTHERSON 2-35B5	35	020S	050W	4301330908	9404	FEE	OW	P	
HORROCKS 2-4A1 T	04	010S	010W	4301330954	9855	FEE	OW	P	
JENSEN 2-29A5	29	010S	050W	4301330974	10040	FEE	OW	P	
UTE 2-34A4	34	010S	040W	4301330978	10070	FEE	OW	P	
CHANDLER 2-5B4	05	020S	040W	4301331000	10075	FEE	OW	P	
BABCOCK 2-12B4	12	020S	040W	4301331005	10215	FEE	OW	P	
BADGER MR BOOM BOOM 2-29A1	29	010S	010W	4301331013	9463	FEE	OW	P	
BLEAZARD 2-18B4	18	020S	040W	4301331025	1566	FEE	OW	P	
BROADHEAD 2-32B5	32	020S	050W	4301331036	10216	FEE	OW	P	
ELLSWORTH 2-16B4	16	020S	040W	4301331046	10217	FEE	OW	P	
RUST 3-4B3	04	020S	030W	4301331070	1576	FEE	OW	P	
HANSON TRUST 2-32A3	32	010S	030W	4301331072	1641	FEE	OW	P	
BROTHERSON 2-11B4	11	020S	040W	4301331078	1541	FEE	OW	P	

HANSON TRUST 2-5B3	05	020S	030W	4301331079	1636	FEE	OW	P	
BROTHERSON 2-15B4	15	020S	040W	4301331103	1771	FEE	OW	P	
MONSEN 2-27A3	27	010S	030W	4301331104	1746	FEE	OW	P	
ELLSWORTH 2-19B4	19	020S	040W	4301331105	1761	FEE	OW	P	
HUNT 2-21B4	21	020S	040W	4301331114	1839	FEE	OW	P	
JENKINS 2-1B3	01	020S	030W	4301331117	1792	FEE	OW	P	
POTTER 2-24B5	24	020S	050W	4301331118	1731	FEE	OW	P	
POWELL 2-13A2 K	13	010S	020W	4301331120	8306	FEE	OW	P	
JENKINS 2-12B3	12	020S	030W	4301331121	10459	FEE	OW	P	
MURDOCK 2-26B5	26	020S	050W	4301331124	1531	FEE	OW	P	
BIRCH 3-27B5	27	020S	050W	4301331126	1783	FEE	OW	P	
ROBB 2-29B5	29	020S	050W	4301331130	10454	FEE	OW	P	
LAKE FORK 2-13B4	13	020S	040W	4301331134	10452	FEE	OW	P	
DUNCAN 3-1A2 K	01	010S	020W	4301331135	10484	FEE	OW	P	
HANSON 2-9B3	09	020S	030W	4301331136	10455	FEE	OW	P	
ELLSWORTH 2-9B4	09	020S	040W	4301331138	10460	FEE	OW	P	
UTE 2-31A2	31	010S	020W	4301331139	10458	FEE	OW	P	
POWELL 2-19A1 K	19	010S	010W	4301331149	8303	FEE	OW	P	
CEDAR RIM 8-A	22	030S	060W	4301331171	10666	FEE	OW	P	
POTTER 2-6B4	06	020S	040W	4301331249	11038	FEE	OW	P	
MILES 2-1B5	01	020S	050W	4301331257	11062	FEE	OW	P	
MILES 2-3B3	03	020S	030W	4301331261	11102	FEE	OW	P	
MONSEN 2-22A3	22	010S	030W	4301331265	11098	FEE	OW	P	
WRIGHT 2-13B5	13	020S	050W	4301331267	11115	FEE	OW	P	
TODD 2-21A3	21	010S	030W	4301331296	11268	FEE	OW	P	
WEIKART 2-29B4	29	020S	040W	4301331298	11332	FEE	OW	P	
YOUNG 2-15A3	15	010S	030W	4301331301	11344	FEE	OW	P	
CHRISTENSEN 2-29A4	29	010S	040W	4301331303	11235	FEE	OW	P	
BLEAZARD 2-28B4	28	020S	040W	4301331304	11433	FEE	OW	P	
REARY 2-17A3	17	010S	030W	4301331318	11251	FEE	OW	P	
LAZY K 2-11B3	11	020S	030W	4301331352	11362	FEE	OW	P	
LAZY K 2-14B3	14	020S	030W	4301331354	11452	FEE	OW	P	
MATTHEWS 2-13B2	13	020S	020W	4301331357	11374	FEE	OW	P	
LAKE FORK 3-15B4	15	020S	040W	4301331358	11378	FEE	OW	P	
STEVENSON 3-29A3	29	010S	030W	4301331376	11442	FEE	OW	P	
MEEKS 3-8B3	08	020S	030W	4301331377	11489	FEE	OW	P	
ELLSWORTH 3-20B4	20	020S	040W	4301331389	11488	FEE	OW	P	
DUNCAN 5-13A2	13	010S	020W	4301331516	11776	FEE	OW	P	
OWL 3-17C5	17	030S	050W	4301332112	12476	FEE	OW	P	
BROTHERSON 2-24 B4	24	020S	040W	4301332695	14652	FEE	OW	P	
BODRERO 2-15B3	15	020S	030W	4301332755	14750	FEE	OW	P	
BROTHERSON 2-25B4	25	020S	040W	4301332791	15044	FEE	OW	P	
CABINLAND 2-16B3	16	020S	030W	4301332914	15236	FEE	OW	P	
KATHERINE 3-29B4	29	020S	040W	4301332923	15331	FEE	OW	P	
SHRINERS 2-10C5	10	030S	050W	4301333008	15908	FEE	OW	P	
BROTHERSON 2-26B4	26	020S	040W	4301333139	17047	FEE	OW	P	
MORTENSEN 4-32A2	32	010S	020W	4301333211	15720	FEE	OW	P	
FERRARINI 3-27B4	27	020S	040W	4301333265	15883	FEE	OW	P	
RHOADES 2-25B5	25	020S	050W	4301333467	16046	FEE	OW	P	
CASE 2-31B4	31	020S	040W	4301333548	16225	FEE	OW	P	
ANDERSON-ROWLEY 2-24B3	24	020S	030W	4301333616	16284	FEE	OW	P	
SPROUSE BOWDEN 2-18B1	18	020S	010W	4301333808	16677	FEE	OW	P	
BROTHERSON 3-11B4	11	020S	040W	4301333904	16891	FEE	OW	P	
KOFFORD 2-36B5	36	020S	050W	4301333988	17048	FEE	OW	P	
ALLEN 3-7B4	07	020S	040W	4301334027	17166	FEE	OW	P	
BOURNAKIS 3-18B4	18	020S	040W	4301334091	17264	FEE	OW	P	
MILES 3-12B5	12	020S	050W	4301334110	17316	FEE	OW	P	
OWL and HAWK 2-31B5	31	020S	050W	4301334123	17388	FEE	OW	P	

OWL and HAWK 4-17C5	17	030S	050W	4301334193	17387	FEE	OW	P	
DWR 3-32B5	32	020S	050W	4301334207	17371	FEE	OW	P	
LAKE FORK RANCH 3-22B4	22	020S	040W	4301334261	17409	FEE	OW	P	
HANSON 3-9B3	09	020S	030W	4301350065	17570	FEE	OW	P	
DYE 2-28A1	28	010S	010W	4301350066	17531	FEE	OW	P	
MEEKS 3-32A4	32	010S	040W	4301350069	17605	FEE	OW	P	
HANSON 4-8B3	08	020S	030W	4301350088	17571	FEE	OW	P	C
LAKE FORK RANCH 3-14B4	14	020S	040W	4301350097	17484	FEE	OW	P	
ALLEN 3-9B4	09	020S	040W	4301350123	17656	FEE	OW	P	
HORROCKS 4-20A1	20	010S	010W	4301350155	17916	FEE	OW	P	
HURLEY 2-33A1	33	010S	010W	4301350166	17573	FEE	OW	P	
HUTCHINS/CHIODO 3-20C5	20	030S	050W	4301350190	17541	FEE	OW	P	
ALLEN 3-8B4	08	020S	040W	4301350192	17622	FEE	OW	P	
OWL and HAWK 3-10C5	10	030S	050W	4301350193	17532	FEE	OW	P	
OWL and HAWK 3-19C5	19	030S	050W	4301350201	17508	FEE	OW	P	
EL PASO 4-29B5	29	020S	050W	4301350208	17934	FEE	OW	P	C
DONIHUE 3-20C6	20	030S	060W	4301350270	17762	FEE	OW	P	
HANSON 3-5B3	05	020S	030W	4301350275	17725	FEE	OW	P	C
SPRATT 3-26B5	26	020S	050W	4301350302	17668	FEE	OW	P	
REBEL 3-35B5	35	020S	050W	4301350388	17911	FEE	OW	P	C
FREEMAN 4-16B4	16	020S	040W	4301350438	17935	Fee	OW	P	C
WILSON 3-36B5	36	020S	050W	4301350439	17936	Fee	OW	P	C
EL PASO 3-21B4	21	020S	040W	4301350474	18123	Fee	OW	P	C
IORG 4-12B3	12	020S	030W	4301350487	17981	Fee	OW	P	C
CONOVER 3-3B3	03	020S	030W	4301350526	18122	Fee	OW	P	C
ROWLEY 3-16B4	16	020S	040W	4301350569	18151	Fee	OW	P	C
POTTS 3-14B3	14	020S	030W	4301350570	18366	Fee	OW	P	C
POTTER 4-27B5	27	020S	050W	4301350571	99999	Fee	OW	P	C
EL PASO 4-21B4	21	020S	040W	4301350572	18152	Fee	OW	P	C
LAKE FORK RANCH 3-26B4	26	020S	040W	4301350707	18270	Fee	OW	P	C
LAKE FORK RANCH 3-25B4	25	020S	040W	4301350711	18220	Fee	OW	P	C
LAKE FORK RANCH 4-23B4	23	020S	040W	4301350713	18271	Fee	OW	P	C
LAKE FORK RANCH 4-15B4	15	020S	040W	4301350715	18314	Fee	OW	P	C
LAKE FORK RANCH 3-24B4	24	020S	040W	4301350716	18269	Fee	OW	P	C
GOLINSKI 1-8C4	08	030S	040W	4301350986	18301	Fee	OW	P	C
J ROBERTSON 1-1B1	01	020S	010W	4304730174	5370	FEE	OW	P	
TIMOTHY 1-8B1E	08	020S	010E	4304730215	1910	FEE	OW	P	
MAGDALENE PAPADOPULOS 1-34A1E	34	010S	010E	4304730241	785	FEE	OW	P	
NELSON 1-31A1E	31	010S	010E	4304730671	830	FEE	OW	P	
ROSEMARY LLOYD 1-24A1E	24	010S	010E	4304730707	840	FEE	OW	P	
H D LANDY 1-30A1E	30	010S	010E	4304730790	845	FEE	OW	P	
WALKER 1-14A1E	14	010S	010E	4304730805	855	FEE	OW	P	
BOLTON 2-29A1E	29	010S	010E	4304731112	900	FEE	OW	P	
PRESCOTT 1-35Z1	35	010N	010W	4304731173	1425	FEE	OW	P	
BISEL GURR 11-1	11	010S	010W	4304731213	8438	FEE	OW	P	
UTE TRIBAL 2-22A1E	22	010S	010E	4304731265	915	FEE	OW	P	
L. BOLTON 1-12A1	12	010S	010W	4304731295	920	FEE	OW	P	
FOWLES 1-26A1	26	010S	010W	4304731296	930	FEE	OW	P	
BRADLEY 23-1	23	010S	010W	4304731297	8435	FEE	OW	P	
BASTIAN 1-2A1	02	010S	010W	4304731373	736	FEE	OW	P	
D R LONG 2-19A1E	19	010S	010E	4304731470	9505	FEE	OW	P	
D MOON 1-23Z1	23	010N	010W	4304731479	10310	FEE	OW	P	
O MOON 2-26Z1	26	010N	010W	4304731480	10135	FEE	OW	P	
LILA D 2-25A1	25	010S	010W	4304731797	10790	FEE	OW	P	
LANDY 2-30A1E	30	010S	010E	4304731895	11127	FEE	OW	P	
WINN P2-3B1E	03	020S	010E	4304732321	11428	FEE	OW	P	
BISEL-GURR 2-11A1	11	010S	010W	4304735410	14428	FEE	OW	P	
FLYING J FEE 2-12A1	12	010S	010W	4304739467	16686	FEE	OW	P	

HARVEST FELLOWSHIP CHURCH 2-14B1	14	020S	010W	4304739591	16546	FEE	OW	P	
OBERHANSLY 3-11A1	11	010S	010W	4304739679	17937	FEE	OW	P	
DUNCAN 2-34A1	34	010S	010W	4304739944	17043	FEE	OW	P	
BISEL GURR 4-11A1	11	010S	010W	4304739961	16791	FEE	OW	P	
KILLIAN 3-12A1	12	010S	010W	4304740226	17761	ML 39760	OW	P	
WAINOCO ST 1-14B1	14	020S	010W	4304730818	1420	ML-24306-A	OW	P	
UTAH ST UTE 1-35A1	35	010S	010W	4304730182	5520	ML-25432	OW	P	
STATE 1-19A4	19	010S	040W	4301330322	9118	ML-27912	OW	P	
FEDERAL 2-28E19E	28	050S	190E	4304732849	12117	UTU-0143512	OW	P	
FEDERAL 1-28E19E	28	050S	190E	4304730175	5680	UTU143512	OW	P	
BLANCHARD 1-3A2	03	010S	020W	4301320316	5877	FEE	OW	PA	
W H BLANCHARD 2-3A2	03	010S	020W	4301330008	5775	FEE	OW	PA	
YACK U 1-7A1	07	010S	010W	4301330018	5795	FEE	OW	PA	
JAMES POWELL 3	13	010S	020W	4301330024	8305	FEE	WD	PA	
BASTIAN 1 (3-7D)	07	010S	010W	4301330026	5800	FEE	OW	PA	
LAMICQ-URRUTY 1-8A2	08	010S	020W	4301330036	5975	FEE	OW	PA	
BLEAZARD 1-18B4	18	020S	040W	4301330059	11262	FEE	OW	PA	
OLSEN 1-27A4	27	010S	040W	4301330064	1565	FEE	OW	PA	
EVANS 1-31A4	31	010S	040W	4301330067	5330	FEE	OW	PA	
HAMBLIN 1-26A2	26	010S	020W	4301330083	2305	FEE	OW	PA	
HARTMAN 1-31A3	31	010S	030W	4301330093	10700	FEE	OW	PA	
FARNSWORTH 1-7B4	07	020S	040W	4301330097	5725	FEE	OW	PA	
POWELL 1-33A3	33	010S	030W	4301330105	4526	FEE	OW	PA	
LOTRIDGE GATES 1-3B3	03	020S	030W	4301330117	1625	FEE	OW	PA	
REMINGTON 1-34A3	34	010S	030W	4301330139	1670	FEE	OW	PA	
ANDERSON 1-28A2	28	010S	020W	4301330150	5895	FEE	OW	PA	
RHOADES MOON 1-35B5	35	020S	050W	4301330155	5270	FEE	OW	PA	
JOHN 1-3B2	03	020S	020W	4301330160	5765	FEE	OW	PA	
SMITH 1-6C5	06	030S	050W	4301330163	5385	FEE	OW	PA	
HORROCKS FEE 1-3A1	03	010S	010W	4301330171	5505	FEE	OW	PA	
WARREN 1-32A4	32	010S	040W	4301330174	9139	FEE	OW	PA	
JENSEN FENZEL 1-20C5	20	030S	050W	4301330177	4730	FEE	OW	PA	
MYRIN RANCH 1-13B4	13	020S	040W	4301330180	4524	FEE	OW	PA	
BROTHERSON 1-27B4	27	020S	040W	4301330185	1775	FEE	OW	PA	
JENSEN 1-31A5	31	010S	050W	4301330186	4735	FEE	OW	PA	
ROBERTSON 1-29A2	29	010S	020W	4301330189	4740	FEE	OW	PA	
WINKLER 1-28A3	28	010S	030W	4301330191	5465	FEE	OW	PA	
CHENEY 1-33A2	33	010S	020W	4301330202	1750	FEE	OW	PA	
J LAMICQ STATE 1-6B1	06	020S	010W	4301330210	5730	FEE	OW	PA	
REESE ESTATE 1-10B2	10	020S	020W	4301330215	5700	FEE	OW	PA	
REEDER 1-17B5	17	020S	050W	4301330218	5460	FEE	OW	PA	
ROBERTSON UTE 1-2B2	02	020S	020W	4301330225	1710	FEE	OW	PA	
HATCH 1-5B1	05	020S	010W	4301330226	5470	FEE	OW	PA	
BROTHERSON 1-22B4	22	020S	040W	4301330227	5935	FEE	OW	PA	
ALLRED 1-16A3	16	010S	030W	4301330232	1780	FEE	OW	PA	
BIRCH 1-35A5	35	010S	050W	4301330233	9116	FEE	OW	PA	
MARQUERITE UTE 1-8B2	08	020S	020W	4301330235	9122	FEE	OW	PA	
BUZZI 1-11B2	11	020S	020W	4301330248	6335	FEE	OW	PA	
SHISLER 1-3B1	03	020S	010W	4301330249	5960	FEE	OW	PA	
TEW 1-1B5	01	020S	050W	4301330264	5580	FEE	OW	PA	
EVANS UTE 1-19B3	19	020S	030W	4301330265	1870	FEE	OW	PA	
SHELL 2-27A4	27	010S	040W	4301330266	1776	FEE	WD	PA	
DYE 1-29A1	29	010S	010W	4301330271	99990	FEE	OW	PA	
VODA UTE 1-4C5	04	030S	050W	4301330283	4530	FEE	OW	PA	
BROTHERSON 1-28A4	28	010S	040W	4301330292	9114	FEE	OW	PA	
MEAGHER 1-4B2	04	020S	020W	4301330313	8402	FEE	OW	PA	
NORLING 1-9B1	09	020S	010W	4301330315	1811	FEE	OW	PA	
S. BROADHEAD 1-9C5	09	030S	050W	4301330316	5940	FEE	OW	PA	

TIMOTHY 1-09A3	09	010S	030W	4301330321	10883	FEE	OW	PA	
BARRETT 1-34A5	34	010S	050W	4301330323	9115	FEE	OW	PA	
MEAGHER TRIBAL 1-9B2	09	020S	020W	4301330325	9121	FEE	OW	PA	
PHILLIPS UTE 1-3C5	03	030S	050W	4301330333	1816	FEE	OW	PA	
ELLSWORTH 1-20B4	20	020S	040W	4301330351	6375	FEE	OW	PA	
LAWSON 1-28A1	28	010S	010W	4301330358	5915	FEE	OW	PA	
AMES 1-23A4	23	010S	040W	4301330375	1901	FEE	OW	PA	
HORROCKS 1-6A1	06	010S	010W	4301330390	5675	FEE	OW	PA	
SHRINE HOSPITAL 1-10C5	10	030S	050W	4301330393	5565	FEE	OW	PA	
GOODRICH 1-18B2	18	020S	020W	4301330397	5485	FEE	OW	PA	
SWD POWELL 3	13	010S	020W	4301330478	10708	FEE	WD	PA	
BODRERO 1-15B3	15	020S	030W	4301330565	4534	FEE	OW	PA	
MOON TRIBAL 1-30C4	30	030S	040W	4301330576	2360	FEE	OW	PA	
DUNCAN 2-9B5	09	020S	050W	4301330719	5440	FEE	OW	PA	
FISHER 1-16A4	16	010S	040W	4301330737	2410	FEE	OW	PA	
URRUTY 2-34A2	34	010S	020W	4301330753	9117	FEE	OW	PA	
GOODRICH 1-24A4	24	010S	040W	4301330760	2415	FEE	OW	PA	
CARL SMITH 2-25A4	25	010S	040W	4301330776	9136	FEE	OW	PA	
ANDERSON 1-A30B1	30	020S	010W	4301330783	9137	FEE	OW	PA	
CADILLAC 3-6A1	06	010S	010W	4301330834	6316	FEE	OW	PA	
MCELPRANG 2-31A1	31	010S	010W	4301330836	8439	FEE	OW	PA	
REESE ESTATE 2-10B2	10	020S	020W	4301330837	2417	FEE	OW	PA	
CLARK 2-9A3	09	010S	030W	4301330876	2416	FEE	OW	PA	
JENKINS 3-16A3	16	010S	030W	4301330877	9790	FEE	OW	PA	
CHRISTENSEN 2-26A5	26	010S	050W	4301330905	10710	FEE	OW	PA	
FORD 2-36A5	36	010S	050W	4301330911	9630	FEE	OW	PA	
MORTENSEN 2-32A2	32	010S	020W	4301330929	9486	FEE	OW	PA	
WILKERSON 1-20Z1	20	010N	010W	4301330942	5452	FEE	OW	PA	
UTE TRIBAL 2-4A3 S	04	010S	030W	4301330950	10230	FEE	OW	PA	
OBERHANSLY 2-31Z1	31	010N	010W	4301330970	9262	FEE	OW	PA	
MORRIS 2-7A3	07	010S	030W	4301330977	9725	FEE	OW	PA	
POWELL 2-08A3	08	010S	030W	4301330979	10175	FEE	OW	PA	
FISHER 2-6A3	06	010S	030W	4301330984	10110	FEE	OW	PA	
JACOBSEN 2-12A4	12	010S	040W	4301330985	10480	FEE	OW	PA	
CHENEY 2-33A2	33	010S	020W	4301331042	10313	FEE	OW	PA	
HANSON TRUST 2-29A3	29	010S	030W	4301331043	5306	FEE	OW	PA	
BURTON 2-15B5	15	020S	050W	4301331044	10205	FEE	OW	PA	
EVANS-UTE 2-17B3	17	020S	030W	4301331056	10210	FEE	OW	PA	
ELLSWORTH 2-20B4	20	020S	040W	4301331090	5336	FEE	OW	PA	
REMINGTON 2-34A3	34	010S	030W	4301331091	1902	FEE	OW	PA	
WINKLER 2-28A3	28	010S	030W	4301331109	4519	FEE	OW	PA	
TEW 2-10B5	10	020S	050W	4301331125	1751	FEE	OW	PA	
LINDSAY 2-33A4	33	010S	040W	4301331141	1756	FEE	OW	PA	
FIELDSTED 2-28A4	28	010S	040W	4301331293	10665	FEE	OW	PA	
POWELL 4-13A2	13	010S	020W	4301331336	11177	FEE	GW	PA	
DUMP 2-20A3	20	010S	030W	4301331505	11691	FEE	OW	PA	
SMITH 2X-23C7	23	030S	070W	4301331634	12382	FEE	D	PA	
MORTENSEN 3-32A2	32	010S	020W	4301331872	11928	FEE	OW	PA	
TODD USA ST 1-2B1	02	020S	010W	4304730167	99998	FEE	OW	PA	
STATE 1-7B1E	07	020S	010E	4304730180	5555	FEE	OW	PA	
BACON 1-10B1E	10	020S	010E	4304730881	5550	FEE	OW	PA	
PARIETTE DRAW 28-44	28	040S	010E	4304731408	4537	FEE	OW	PA	
REYNOLDS 2-7B1E	07	020S	010E	4304731840	4960	FEE	OW	PA	
STATE 2-35A2	35	010S	020W	4301330156	4715	ML-22874	OW	PA	
UTAH STATE L B 1-11B1	11	020S	010W	4304730171	5530	ML-23655	OW	PA	
STATE 1-8A3	08	010S	030W	4301330286	5655	ML-24316	OW	PA	
UTAH FEDERAL 1-24B1	24	020S	010W	4304730220	590	ML-26079	OW	PA	
CEDAR RIM 15	34	030S	060W	4301330383	6395	14-20-462-1329	OW	S	

UTE TRIBAL 2-24C7	24	030S	070W	4301331028	10240	14-20-H62-1135	OW	S	
CEDAR RIM 12	28	030S	060W	4301330344	6370	14-20-H62-1323	OW	S	
CEDAR RIM 16	33	030S	060W	4301330363	6390	14-20-H62-1328	OW	S	
SPRING HOLLOW 2-34Z3	34	010N	030W	4301330234	5255	14-20-H62-1480	OW	S	
EVANS UTE 1-17B3	17	020S	030W	4301330274	5335	14-20-H62-1733	OW	S	
UTE JENKS 2-1-B4 G	01	020S	040W	4301331197	10844	14-20-H62-1782	OW	S	
UTE 3-12B3	12	020S	030W	4301331379	11490	14-20-H62-1810	OW	S	
UTE TRIBAL 9-4B1	04	020S	010W	4301330194	5715	14-20-H62-1969	OW	S	
UTE TRIBAL 2-21B6	21	020S	060W	4301331424	11615	14-20-H62-2489	OW	S	
UTE 1-33B6	33	020S	060W	4301330441	1230	14-20-H62-2493	OW	S	
UTE 2-22B5	22	020S	050W	4301331122	10453	14-20-H62-2509	OW	S	
UTE 1-18B1E	18	020S	010E	4304730969	9135	14-20-H62-2864	OW	S	
LAUREN UTE 1-23A3	23	010S	030W	4301330895	9403	14-20-H62-3981	OW	S	
UTE 2-28B6	28	020S	060W	4301331434	11624	14-20-H62-4622	OW	S	
UTE 1-27B6X	27	020S	060W	4301330517	11166	14-20-H62-4631	OW	S	
UTE 2-27B6	27	020S	060W	4301331449	11660	14-20-H62-4631	OW	S	
CEDAR RIM 10-15C6	15	030S	060W	4301330328	6365	14-20-H62-4724	OW	S	
UTE 5-30A2	30	010S	020W	4301330169	5910	14-20-H62-4863	OW	S	
UTE TRIBAL G-1 (1-24C6)	24	030S	060W	4301330298	4533	14-20-H62-4866	OW	S	
UTE TRIBAL FEDERAL 1-30C5	30	030S	050W	4301330475	665	14-20-H62-4876	OW	S	
SMB 1-10A2	10	010S	020W	4301330012	5865	FEE	OW	S	
KENDALL 1-12A2	12	010S	020W	4301330013	5875	FEE	OW	S	
CEDAR RIM 2	20	030S	060W	4301330019	6315	FEE	OW	S	
URRUTY 2-9A2	09	010S	020W	4301330046	5855	FEE	OW	S	
BROTHERSON 1-14B4	14	020S	040W	4301330051	1535	FEE	OW	S	
RUST 1-4B3	04	020S	030W	4301330063	1575	FEE	OW	S	
MONSEN 1-21A3	21	010S	030W	4301330082	1590	FEE	OW	S	
BROTHERSON 1-10B4	10	020S	040W	4301330110	1614	FEE	OW	S	
FARNSWORTH 1-12B5	12	020S	050W	4301330124	1645	FEE	OW	S	
ELLSWORTH 1-16B4	16	020S	040W	4301330192	1735	FEE	OW	S	
MARSHALL 1-20A3	20	010S	030W	4301330193	9340	FEE	OW	S	
CHRISTMAN BLAND 1-31B4	31	020S	040W	4301330198	4745	FEE	OW	S	
ROPER 1-14B3	14	020S	030W	4301330217	1850	FEE	OW	S	
BROTHERSON 1-24B4	24	020S	040W	4301330229	1865	FEE	OW	S	
BROTHERSON 1-33A4	33	010S	040W	4301330272	1680	FEE	OW	S	
BROTHERSON 1-23B4	23	020S	040W	4301330483	8423	FEE	OW	S	
SMITH ALBERT 2-8C5	08	030S	050W	4301330543	5495	FEE	OW	S	
VODA JOSEPHINE 2-19C5	19	030S	050W	4301330553	5650	FEE	OW	S	
HANSEN 1-16B3	16	020S	030W	4301330617	9124	FEE	OW	S	
BROTHERSON 1-25B4	25	020S	040W	4301330668	9126	FEE	OW	S	
POWELL 2-33A3	33	010S	030W	4301330704	2400	FEE	OW	S	
BROWN 2-28B5	28	020S	050W	4301330718	9131	FEE	OW	S	
EULA-UTE 1-16A1	16	010S	010W	4301330782	8443	FEE	OW	S	
JESSEN 1-15A4	15	010S	040W	4301330817	9345	FEE	OW	S	
R HOUSTON 1-22Z1	22	010N	010W	4301330884	936	FEE	OW	S	
FIELDSTED 2-27A4	27	010S	040W	4301330915	9632	FEE	OW	S	
HANSKUTT 2-23B5	23	020S	050W	4301330917	9600	FEE	OW	S	
TIMOTHY 3-18A3	18	010S	030W	4301330940	9633	FEE	OW	S	
BROTHERSON 2-3B4	03	020S	040W	4301331008	10165	FEE	OW	S	
BROTHERSON 2-22B4	22	020S	040W	4301331086	1782	FEE	OW	S	
MILES 2-35A4	35	010S	040W	4301331087	1966	FEE	OW	S	
ELLSWORTH 2-17B4	17	020S	040W	4301331089	1696	FEE	OW	S	
RUST 2-36A4	36	010S	040W	4301331092	1577	FEE	OW	S	
EVANS 2-19B3	19	020S	030W	4301331113	1777	FEE	OW	S	
FARNSWORTH 2-12B5	12	020S	050W	4301331115	1646	FEE	OW	S	
CHRISTENSEN 3-4B4	04	020S	040W	4301331142	10481	FEE	OW	S	
ROBERTSON 2-29A2	29	010S	020W	4301331150	10679	FEE	OW	S	
CEDAR RIM 2A	20	030S	060W	4301331172	10671	FEE	OW	S	

HARTMAN 2-31A3	31	010S	030W	4301331243	11026	FEE	OW	S	
GOODRICH 2-2B3	02	020S	030W	4301331246	11037	FEE	OW	S	
JESSEN 2-21A4	21	010S	040W	4301331256	11061	FEE	OW	S	
BROTHERSON 3-23B4	23	020S	040W	4301331289	11141	FEE	OW	S	
MYRIN RANCH 2-18B3	18	020S	030W	4301331297	11475	FEE	OW	S	
BROTHERSON 2-2B5	02	020S	050W	4301331302	11342	FEE	OW	S	
DASTRUP 2-30A3	30	010S	030W	4301331320	11253	FEE	OW	S	
YOUNG 2-30B4	30	020S	040W	4301331366	11453	FEE	OW	S	
IORG 2-10B3	10	020S	030W	4301331388	11482	FEE	OW	S	
MONSEN 3-27A3	27	010S	030W	4301331401	11686	FEE	OW	S	
HORROCKS 2-5B1E	05	020S	010E	4304732409	11481	FEE	OW	S	
LARSEN 1-25A1	25	010S	010W	4304730552	815	FEE	OW	TA	
DRY GULCH 1-36A1	36	010S	010W	4304730569	820	FEE	OW	TA	

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: FEE

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:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
BROTHERSON 3-11B4

2. NAME OF OPERATOR:
EP ENERGY E&P COMPANY, L.P.

9. API NUMBER:
43013339040000

3. ADDRESS OF OPERATOR:
1001 Louisiana , Houston, TX, 77002

PHONE NUMBER:
713 997-5038 Ext

9. FIELD and POOL or WILDCAT:
ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1316 FNL 0785 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWNW Section: 11 Township: 02.0S Range: 04.0W Meridian: U

COUNTY:
DUCHESNE

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: 12/1/2012	✓ 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.

EP plans to recomplete this well and produce from the Wasatch/LGR.
Please see attached for details.

Approved by the Utah Division of Oil, Gas and Mining

Date: November 29, 2012

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Maria S. Gomez	713 997-5038	Principal Regulatory Analyst

SIGNATURE	DATE
N/A	11/27/2012

RECEIVED: Nov. 27, 2012

Brotherson 3-11B4 Summary Procedure

- POOH ESP equipment & tubing
- Circulate & Clean wellbore
- RIH with 7”CBP, set plug at ~10,725’
- Perforate new interval from in LGR 9,780’ – 10,700’
- Acidize perforations with 45,000 gals of 15% HCL
- Drill out CBP at ~10,725’
- RIH w/tubing and ESP equipment, put well back on production
- Clean location and resume production

RECEIVED: Nov. 27, 2012

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: FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: BROTHERSON 3-11B4

2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.

9. API NUMBER: 43013339040000

3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002

PHONE NUMBER: 713 997-5038 Ext

9. FIELD and POOL or WILDCAT: ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1316 FNL 0785 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 11 Township: 02.0S Range: 04.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

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

TYPE OF SUBMISSION

- ☐ NOTICE OF INTENT
  Approximate date work will start:
- ✓ SUBSEQUENT REPORT
  Date of Work Completion: 12/17/2012
- ☐ SPUD REPORT
  Date of Spud:
- ☐ DRILLING REPORT
  Report Date:

TYPE OF ACTION

✓ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ 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
☐ 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.

Please see attached for details.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
March 11, 2013

NAME (PLEASE PRINT) Maria S. Gomez

PHONE NUMBER 713 997-5038

TITLE Principal Regulatory Analyst

SIGNATURE N/A

DATE 2/21/2013

RECEIVED: Feb. 21, 2013

Brotherson 3-11B4 Summary Procedure

- Set CBP @ 10725'. Pressured up to 6800 psi then lost pressure. RIH to 10741' did not tag plug. Set CBP @ 10720'. Good test.
- Perforated 10451'-10697' and acidized with 15000 gallons of 15% HCL.
- Set CBP @ 10425'.
- Perforated 10112'-10409' and acidized with 15000 gallons of 15% HCL.
- Set CBP @ 10110'.
- Perforated 9793'-10076' and acidized with 15000 gallons of 15% HCL.
- Drilled out CBP's.
- Turned well over to production.

RECEIVED: Feb. 21, 2013

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: FEE

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:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
BROTHERSON 3-11B4

2. NAME OF OPERATOR:
EP ENERGY E&P COMPANY, L.P.

9. API NUMBER:
43013339040000

3. ADDRESS OF OPERATOR:
1001 Louisiana , Houston, TX, 77002

PHONE NUMBER:
713 997-5038 Ext

9. FIELD and POOL or WILDCAT:
ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1316 FNL 0785 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWNW Section: 11 Township: 02.0S Range: 04.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

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

TYPE OF SUBMISSION

- ☐ NOTICE OF INTENT
  Approximate date work will start:
- ✓ SUBSEQUENT REPORT
  Date of Work Completion: 3/18/2014
- ☐ SPUD REPORT
  Date of Spud:
- ☐ DRILLING REPORT
  Report Date:

TYPE OF ACTION

✓ ACIDIZE	☐ ALTER CASING	✓ CASING REPAIR
☐ 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
☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
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☐ 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.

Tested casing to 1500 psi good test. Utilized 275 gal 15% HCL to clean scale. Drilled and bailed. Swabbed. Set CIBP @ 11100' and dumped 10' of cement on top. Pumped 5000 gals 15% HCL acid down tubing. See attached for details.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
June 18, 2014

NAME (PLEASE PRINT) Maria S. Gomez	**PHONE NUMBER** 713 997-5038	**TITLE** Principal Regulatory Analyst
SIGNATURE N/A		**DATE** 6/5/2014

RECEIVED: Jun. 05, 2014

CENTRAL DIVISION

ALTAMONT FIELD
BROTHERSON 3-11B4
BROTHERSON 3-11B4
WORKOVER LAND

Operation Summary Report

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner (s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

RECEIVED: Jun. 05, 2014

1 General

1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	BROTHERSON 3-11B4		
Project	ALTAMONT FIELD	**Site**	BROTHERSON 3-11B4
Rig Name/No.		**Event**	WORKOVER LAND
Start date	2/26/2014	**End date**	3/19/2014
Spud Date/Time	4/22/2008	**UWI**	011-002-S 004-W 30
Active datum	KB @6,205.0ft (above Mean Sea Level)		
Afe No./Description	162162/50170 / BROTHERSON 3-11B4		

2 Summary

2.1 Operation Summary

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
2/27/2014	13:30	18:30	5.00	MIRU	01		P		SPOT IN RIG UP, FLUSH TBG W/ 65 BBLS, LOWLINE W/ 50 BBLS, BREAK OUT FLOW LINE AND TREE, NU HYDRILL & BOPE. SWI
	14:00	14:30	0.50	MIRU	28		P		MI TGSM & JSA (NU PROCEDURES)
2/28/2014	6:00	7:30	1.50	PRDHEQ	28		P		CT TGSM & JSA (POOH W/ ESP)
	7:30	15:30	8.00	PRDHEQ	39		P		BWD, L/D 1 JT, RU SPOOLERS, POOH W/ 299 JTS, PSN, 1 JT, DRAIN SUB, 1 JT, L/D PUP JT AND PUMP ASSEMBLY, SCALE ON OUTER WALL OF PUMPS, ALL PUMPS AND MOTOR WOULD TURN W/ DRAG.
	15:30	18:00	2.50	PRDHEQ	39		P		MU RET HEAD, PUP JT, TALLY IN W/ 160 JTS SWI CREW SHUT DOWN FOR DAY.
3/1/2014	6:00	7:30	1.50	WOR	28		P		CT HOLD SAFETY MTG ON RIH W/ TBG, WRITE & REVIEW JSA'S
	7:30	10:30	3.00	WOR	39		P		CONT TALLYING & TIH W/ 141 JTS 2-7/8" EUE N-80 TBG & PU 5 JTS 2-7/8" TBG, LATCH ONTO PKR
	10:30	14:30	4.00	WOR	18		P		RUN PUMP LINES, FILL CSG W/ 174 BBLS 2% KCL, PRESSURE TEST CSG TO 1500 PSI GOOD TEST, CLEAN OUT CELLAR, OPEN SURFACE CSG NO COMMUNICATION, BLLED OFF CSG RELEASE PKR @ 9754'
	14:30	16:30	2.00	WOR	39		P		POOH W/ 120 JTS 2-7/8" TBG,(DECIDED TO HYDRO TEST TBG ON NEXT TRIP IN HOLE, TIH W/ 40 JTS 2-7/8" TBG TO CLEAN PIPE), SECURE WELL SDFW
3/2/2014	6:00	6:00	24.00	WOR	18		P		NO ACTIVITY SDFW
3/3/2014	6:00	6:00	24.00	WOR	18		P		NO ACTIVITY SDFW
3/4/2014	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (POOH W/ TBG)
	7:30	10:30	3.00	WOR	39		P		POOH W/ 226 JTS 2 7/8" FLUSHING AS NEEDED, L/D DESANDER ASSEMBLY (ALL 3 JTS FULL OF SCALE)
	10:30	12:00	1.50	WLWORK	18		P		RIH W/ 3 1/2" GR/JG TAG FILL @ 10,870' RDMO W/ WIRELINE UNIT.
	12:00	18:00	6.00	WOR	39		P		RU HYDRO TESTER RIH W/ 7" RBP, RET HEAD, PUP JT, PKR,1 JT PSN 282 LAST JTS FULL OF OIL PULL TESTING TOOLS. CIH W/ 22 JTS SET PLG @ 9730' L/D 1 JT PKR @ 9694'. RD TESTER SWI SHUT DOWN FOR DAY.
3/5/2014	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (HYDRO TESTING)

RECEIVED: Jun. 05, 2014

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	7:30	11:30	4.00	WOR	39		P		FLUSH TBG W/ 50 BBLS, POOH W/ 22 JTS RU TESTER, TEST REMAINING TBG, RDMOL W/ TESTING UNIT. RU SWAB EQUIPMENT
	11:30	17:30	6.00	SW	08		P		MAKE 15 CONS RUNS REC BBLS, IFL 6000' FFL @ 9250'. RECOVERED 97 BBLS. SWI SHUT DOWN FOR DAY
3/6/2014	6:00	7:30	1.50	SW	28		P		CT TGSM & JSA (SWABBING)
	7:30	10:30	3.00	SW	23		P		MAKE 1 CONSECUTIVE RUN FLUID LEVEL @ 9730' NO FLUID ENTRY., RETIEVE PLUG RIH HANG UP IN SCALE @
	10:30	14:00	3.50	WOR	39		P		POOH W/ 308 JTS, PSN, 1 JT, L/D PACKER AND PLG.
	14:00	18:00	4.00	WOR	39		P		PUMU & RIH W/ 5 7/8" BIT, BIT SUB, FLAPPER, 6' 2 7/8" PUP JT., FLAPPER, 15 JTS, SAFETY, BAILER, 4' PERF PUP JT, 285 JTS 2 7/8" 8RD EUE TBG, EOT @ 9575.
3/7/2014	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (POWER SWIVEL OPERATIONS)
	7:30	18:00	10.50	WOR	04		P		RIH W/ 6 JTS RU PWR SWIVEL, SWIVEL DOWN TO 10,884' W/ 20' IN W/ JT 341, HIT HARD SCALE @ 10,327' FOR 12' & @ 10,878' TO 10,884 STILL HARD. PUMP 275 GAL 15% HCL FLUSH W/ 53 BBLS. ATTEMPT TO CONTINUE CLEANING OUT W/ NO SUCCESS. RD SWIVEL POOH W/ 36 JTS. SWI CREW SHUT DOWN.
3/8/2014	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (PUMP OPERATIONS)
	7:30	14:30	7.00	WOR	39		P		RIH W/ 36 JTS RU POWER SWIVEL, START DRILLING AND BAILING AT 10884' DRILL AND BAIL TO 11183' RD SWIVEL, POOH W/ 334 JTS PERF PUP, BAILER, SAFETY JT, 15 JTS, FLAPPER, PUP JT FLAPPER, BIT SUB AND BIT.
	14:30	19:00	4.50	WOR	39		P		MU & RIH W/ RBP, RET HEAD, PACKER, 1 JT, PSN, 248 JTS, PLUG SET @ AT 7913', RELEASE POOH 2 JTS ATTEMPT TO TIH TAG @ 7870' ATTEMPT TO WORK THROUGH W/ NO SUCCESS. (CASING CHANGES WT AT 7872'.) POOH W/ 4 JTS SWI. CREW SHUT DOWN FOR DAY.
3/9/2014	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (POOH W/ TBG)
	7:30	9:30	2.00	WOR	39		P		POOH W/ 242 JTS, PSN, 1 JT , L/D PACKER PUP, RET HEAD, PLUG.
	9:30	14:00	4.50	WOR	39		P		RIH W/ 7" RBP, RET HEAD, 7" PACKER, 1 JT, PSN, 315 JTS, SET PLUG @ 10,100'. POOH W/ 12 JTS SET PACKER AT 9693'
	14:00	18:00	4.00	WOR	38		P		RU SWAB EQUIPMENT MAKE 6 CONSECUTIVE RUNS. IFL @ 6175, FFL @ 8200' (LAST 3 RUNS) RECOVERED 41 BBLS. SWI CREW SHUT DOWN FOR DAY.
3/10/2014	6:00	6:30	0.50	WOR	18		P		SHUT DOWN FOR WEEK END
3/11/2014	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (SWABBING)
	7:30	10:00	2.50	WOR	38		P		MAKE 4 CONSECUTVE RUNS, IFL @ 8000', FFL @ 8200'. RECOVERED 33 BBLS RD SWAB.
	10:00	12:00	2.00	WOR	39		P		RELEASE PACKER @ 9693', RETRIEVE PLUG @ 10,090'. RIH 16' OUT W/ JT# 348 SET PLUG @ 11,100'. POOH SET PACKER @ 10,720' W/ JT# 336'. RU SWAB.
	12:00	19:00	7.00	WOR	38		P		MAKE 12 CONSECUTVE RUNS, IFL @ 8000', FFL @ 8600'. RECOVERED 82 BBLS RD SWAB, SWI, CREW SHUT DOWN FOR DAY.
3/12/2014	6:00	8:00	2.00	WOR	28		P		NABORS COMPANY SAFETY MTG, TRAVEL TO LOC, HOLD SAFETY MTG ON P.U. SWAB LUBERICATOR, WRITE & REVIEW JSA'S
	8:00	11:30	3.50	WOR	38		P		TBG 50 PSI BLOW DWN TBG, RU SWAB MADE 7 SWAB RUNS RECOVERING 30.5 BBLS FLUID, IFL @ 8000' FINAL FLUID LEVEL @ 8600'
	11:30	12:30	1.00	WOR	39		P		RELEASE PKR @ 10720', POOH W/ 12 JTS 2-7/8" TBG, SET PKR @ 10326' & RU TO SWAB

RECEIVED: Jun. 05, 2014

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	12:30	18:00	5.50	WOR	38		P		MAKE 12 SWAB RUNS RECOVERING 82 BBLS FLUID, IFL @ 8000' & FINAL FLUID LEVEL @ 9200', LAY DWN SWAB SECURE WELL SDFN
3/13/2014	6:00	7:30	1.50	WOR	28		P		CT HOLD SAFETY MTG ON SWABBING, WRITE & REVIEW JSA'S
	7:30	9:00	1.50	WOR	38		P		MAKE 2 SWAB RUNS IFL @ 8200', FFL @ 8400', RECOVERED 17 BBLS FLUID, RIG DWN SWAB
	9:00	11:30	2.50	WOR	39		P		RELEASE PKR, TIH W/ 24 JTS 2-7/8" TBG WASH 5' FILL OFF PLUG TOP, LATCH ONTO PLUG WORK PLUG FREE
	11:30	12:30	1.00	WOR	18		P		FLUSH TBG W/ 65 BBLS
	12:30	16:00	3.50	WOR	39		P		POOH W/ 348 JTS 2-7/8" TBG, LD 7" PLUG, 2-7/8" X 4' PUP JT, RET HEAD & 7" PKR
	16:00	19:00	3.00	WLWORK	27		P		MIRU WIRE LINE RIH SET 7" CIBP @ 11,100', & DUMP DAIL 10' CMT ON TOP POOH RIG DWN WIRE LINE SECURE WELL SDFN
3/14/2014	6:00	7:30	1.50	WOR	28		P		CT HOLD SAFETY MTG ON TIH W/ TBG WRITE & REVIEW JSA'S
	7:30	11:30	4.00	WOR	39		P		MU & TIH W/ 2-7/8" SOLID PLUG, 5-3/4" NO-GO, 6 JTS 2-7/8" EUE TBG, DESANDER, 7" ARROW SET PKR, ON-OFF TOOL & 306 JTS 2-7/8" TBG, SET PKR @ 9756' DESANDER @ 9760' & EOT @ 9954'
	11:30	13:00	1.50	WOR	18		P		FILL CSG W/ 232 BBLS 2% KCL & TEST TO 1000 PSI GOOD TEST
	13:00	14:30	1.50	WOR	35		P		MIRU PLATINUM PUMP 5000 GALS 15% HCL ACID DWN TBG & DISPLACE W/ 115 BBLS 2% KCL, 10 BBLS PAST BTM PERF, J OFF PKR LAY DWN 5 JTS 2-7/8" TBG SECURE WELL SDFN
3/15/2014	6:00	7:30	1.50	WOR	28		P		CT HOLD SAFETY MTG ON TOOH W/ TBG, WRITE & REVIEW JSA'S
	7:30	11:00	3.50	WOR	39		P		75 PSI ON SIT BLOW DWN WELL, TOOH W/ 301 JTS 2-7/8" TBG & ON-OFF SKIRT, RACK OUT PUMP LINES & TANK SECURE WELL SDFW
3/16/2014	6:00	6:00	24.00	WOR	18		P		NO ACTIVITY SDFW
3/17/2014	6:00	6:00	24.00	WOR	18		P		NO ACTIVITY SDFW
3/18/2014	6:00	7:30	1.50	WOR	28		P		CT HOLD SAFETY MTG ON P.U. ESP EQUIP, WRITE & REVIEW JSA'S
	7:30	11:00	3.50	WOR	24		P		50 PSI ON SICP BLOW DWN WELL, SPLICE MOTOR LEAD, RU SPOOLERS, PU & SERV CHEM MANDREL, CENTINEL SENSOR, MOTOR, DUAL SEALS, GAS SEP, 3 PUMPS & 2-7/8" X 6' TBG SUB, HOOK UP MOTOR LEAD & 1/4" STAINLESS CAP TUBE
	11:00	18:00	7.00	WOR	39		P		RIH W/ ESP EQUIP, 1 JTS 2-7/8" TBG, 2-7/8" DRAIN SUB, 2 JTS 2-7/8" TBG, 2-7/8" +45P.S.N., 2 JTS 2-7/8" TBG,COLLAR STOP & 242 JTS 2-7/8" TBG, BANDING ESP CABLE & CAP TUBE TO TBG, 3 BANDS PER JT, SECURE WELL SDFN
3/19/2014	6:00	7:30	1.50	WOR	28		P		CT HOLD SAFETY MTG ON BANDING ESP CABLE & 1/4" CAP TUBE, WRITE & REVIEW JSA'S
	7:30	11:00	3.50	WOR	39		P		CONT RIH W/ 54 JTS 2-7/8" EUE N-80 TBG BANDING ESP CABLE & 1/4" CAP TUBE 3 BANDS PER JT, SPLICE UPPER PIG TAIL, LAND TBG ON HANGER
	11:00	14:00	3.00	WOR	16		P		RIG DWN WORK FLOOR, NDHYDRILL & BOP, NU WELL HEAD & FLOW LINES, TEST FLOW LINES TO 2000 PSI, START ESP EQUIP, RIG DWN RIG PU LOC & MOVE OUT, TURN WELL OVER TO PRODUCTION

RECEIVED: Jun. 05, 2014

Table of Contents

1 General 1
1.1 Customer Information 1
1.2 Well Information 1
2 Summary 1
2.1 Operation Summary 1

RECEIVED: Jun. 05, 2014

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: FEE

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:

1. TYPE OF WELL: Oil Well

8. WELL NAME and NUMBER: BROTHERSON 3-11B4

2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.

9. API NUMBER: 43013339040000

3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002
PHONE NUMBER: 713 997-5138 Ext

9. FIELD and POOL or WILDCAT: ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1316 FNL 0785 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 11 Township: 02.0S Range: 04.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

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

TYPE OF SUBMISSION

- ☐ NOTICE OF INTENT
  Approximate date work will start:
- ✓ SUBSEQUENT REPORT
  Date of Work Completion: 10/6/2016
- ☐ SPUD REPORT
  Date of Spud:
- ☐ DRILLING REPORT
  Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ 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
☐ 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: Acid Wash & Installed Rods

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

Pumped 5000 gals acid wash, installed rods and repaired tubing. See attached for details.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
November 28, 2016

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Maria S. Gomez	713 997-5138	Consultant

SIGNATURE	DATE
N/A	11/9/2016

RECEIVED: Nov. 09, 2016

CENTRAL DIVISION

ALTAMONT FIELD
BROTHERSON 3-11B4
BROTHERSON 3-11B4
LOE LAND

Operation Summary Report

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner (s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

RECEIVED: Nov. 09, 2016

1 General

1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	BROTHERSON 3-11B4		
Project	ALTAMONT FIELD	**Site**	BROTHERSON 3-11B4
Rig Name/No.	PEAK/2100/	**Event**	LOE LAND
Start date	9/29/2016	**End date**	
Spud Date/Time	4/22/2008	**UWI**	011-002-S 004-W 30
Active datum	KB @6,205.0usft (above Mean Sea Level)		
Afe No./Description	167243/57546 / BROTHERSON 3-11B4		

2 Summary

2.1 Operation Summary

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
9/30/2016	6:00	7:00	1.00	PRDHEQ	18		P		TRAVEL TO LOC HSM, REVIEW JSA= RU RIG SPOOLERS HOT OILING
	7:00	14:00	7.00	PRDHEQ	18		P		TEST DEAD MEN, MIRU SIWP= NU HOT OILER PUMP 180* WTR DOWN TUBING CAUGHT PRESS AT 45 BBL PRESS BLEEDS OF SLOWLY , BLOW DOWN CSG, ND W/H NU BOPS AND HYDRILL (BOP & HYDRILL STUMP TESTED IN YARD)RU FLOOR AND TUBING EQUIP COULD NO UNLAND TUBING, HANGER WOULDNT PULL OUT RD FLOOR ND BOPS HYDRILL STRIP OUT HANGER FLANGEINSTALL 10K X 5000K SPOOL NU STACK RU FLOOR AND TUBING EQUIP RU SPOOLERS FOR CABLE AND CAP STRING,
	14:00	15:00	1.00	PRDHEQ	18		P		POOH W/ ESP16 STAND OUT TUBING PULLING WET CALL OUT SLICKLINE TRUCK
	15:00	18:00	3.00	PRDHEQ	18		X		WAIT ON SLICKLINE
	18:00	21:00	3.00	SLKLN	18		P		RU SLICKLINE RIH COULDND FISH COLLAR STOP POOH REPIN RIH FISH COLLAR STO RIH KNOCK OUT DRAIN POOH RD SLICKLINE CLOSE HYDILL CLOSE CSG VALVES W/ BULL PLUG CLOSE TIW W/ NIGHT CAP SDFN
10/1/2016	6:00	7:00	1.00	PRDHEQ	18		P		TRAVEL TO LOC HSM REVIEW JSAS=PULLING CAP AND ESP
	7:00	12:00	5.00	PRDHEQ	18		P		SIWP= 0PSI, OPEN WELL PUMP 40 BBLS HOT WTR DOWN TUB TRICKLE HOT WTR DOWN CSG WHILE PULLING PIPE, CONTINUE TO POOH W/ ESP AND CAP,
	12:00	14:00	2.00	PRDHEQ	18		P		BREAK ANG LD ESP PUMP RD SPOOLERS
	14:00	18:30	4.50	PRDHEQ	18		P		PU AND CALIPER ON/ OFF SKIRT TALLEY AND RIH J ONTO PKR RELEASE PKR POOH LD 8 JNTS PREP TO SCAN IN AM CLOSE AND LOCK PIPE RAMS CLOSE CSG VALVE, W/ BULL PLUG CLOSE TIW W/ NIGHT CAP SDFN
10/2/2016	6:00	7:00	1.00	PRDHEQ	18		P		TRAVEL TO LOC HSM REVIEW JSA= SCANNING HOT OIL& PULLING PKR
	7:00	11:00	4.00	PRDHEQ	18		P		SIWP= 0 PSI TUB, 100 PSI CSG, OPEN WELL MIRU SCANNERS POOH W/ PKR SCANNING LD PKR AND BHA (292 YB, 11BB, 1 RB)
	11:00	12:00	1.00	PRDHEQ	18		P		RD SCANNERS MIRU HYDRO TEST UNIT
	12:00	17:30	5.50	PRDHEQ	18		P		PU 7" SCRAPER AND 6" BIT HYDRO TEST IN HOLE EOT @ 9696' CLOSE AND LOCK PIPE RAMS, CLOSE HYDRILL, CLOSE CSG VALVES W/ BULL PLUG, CLOSE TIW W/ NIGHT CAP SDFW

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2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
10/4/2016	7:00	8:00	1.00	PRDHEQ	18		P		TRAVEL TO LOC HSM REVIEW JSA= PU TUB , HOT OIL, PUMPING
	8:00	12:00	4.00	PRDHEQ	18		P		SIWP= 0 PSI TUB, 120 PSI CSG, OPEN WELL TO FBT TALLEY AND PU TUB RIH TAF FILL @ 10832' RU PUMP AND HOT OILER PUMP 600 BBL AT 9 BPM W/ NO CIRC POOH TO 9780' W/ BIT PREP TO PUMP ACID
	12:00	17:00	5.00	PMPNG	18		N		WAIT ON ACID
	17:00	19:00	2.00	PMPNG	18		P		PUMP 5000 GAL ACID WASH AS PER CHEM TECHS RECOMMENDATION FLUSH W/ 70 BBL KCL WELL ON VACUME CONSTANTLY SHUT TIW W/ NIGHT CAP CLOSE AND LOCK PIPE RAMS AND HYDRILL CLOSE CSG VALVE W/ BULL PLUG SDFN
10/5/2016	7:00	8:00	1.00	PRDHEQ	18		P		TRAVEL TO LOC HSM= REVIEW JSA, BLOW WELL DOWN, LD TOOLS, W/L SAFETY
	8:00	10:30	2.50	PRDHEQ	18		P		SIWP= 0 PSI ON TUB, 100 PSI CSG, OPEN WELL TO FBT POOH W/ CASING SCRAPER AND BIT,
	10:30	14:30	4.00	ELINE	18		N		WAIT ON GYRO UNIT
	14:30	18:00	3.50	ELINE	18		P		MIRU GYRO UNIT PU RIH RUN GYRO. RD GYRO UNIT CLOSE AND LOCK BLIND RAMS CLOSE CSG VALVES W/ BULL PLUG SDFN
10/6/2016	6:00	7:00	1.00	PRDHEQ	18		P		TRAVEL TO LOC HSM REVIEW JSA= RUN TUBING RODS ND AND NU
	7:00	10:00	3.00	PRDHEQ	18		P		SIWP= 100 PSI OPEN WELL TO FBT PU RI W/ BHA AND PROD TUBING RIH W/ 331 JNTS TAC @ 10556' PSN @ 10688' EOT @ 10849' SET SAC W/ 25000 TENSION LAND TUBING ON HNGR
	10:00	17:00	7.00	PRDHEQ	18		P		ND BOPS NU WELLHEAD PU PUMP AND RODS PICK UP PUMP, 46 1' W/G, 132 3/4" SLICK, 128 7/8" SLICK , PU POLISH ROD SIW W/ BULL PLUGS CLOSE 2 RADIGANS SDFN
10/7/2016	6:00	7:00	1.00	PRDHEQ	42		P		TRAVEL TO LOC HSM, REVIEW JSA= RUN PROD ROD, NU W/H RDMO
	7:00	10:00	3.00	PRDHEQ	42		P		CONTINUE TO PU AND RUN RODS TAG @ 10450' 250' HIGH
	10:00	15:00	5.00	PRDHEQ	42		X		POOH COUNTING RODS I RAN 10 RODS TO MANY ON BTM (NEEDED 46 AND THRU MISS COMUNICATION I PICKED UP 56) LD 10 1" RIH
	15:00	17:30	2.50	PRDHEQ	18		P		TAG S/N SPACE OUT PUMP PU POLISH ROD SEAT PUMP FILL HOE TEST STROKE PUMP TO 1000 PSI BLEED OFF PSINU W/H SIW RD RIG PREP TO MOVE IN AM

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