

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

(Other instructions on reverse side)

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER

SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 PENNZOIL COMPANY (N2885)

3. ADDRESS OF OPERATOR  
 P.O. Box 290 Neola, Utah 84053

4. LOCATION OF WELL (Report location clearly and in accordance with State requirements.)  
 At surface: 660' FSL & 660' FEL  
 At proposed prod. zone: SAME SESE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 About 10.5 miles Northwest of Roosevelt, UT

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  
 (Also to nearest drlg. unit line, if any)  
 660' 660'

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 3433'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5960.8' GL (UNGRADED)

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	40.0	4,600'	3300 ft3
8 3/4"	7"	23,26,29,32	14,900'	2600 ft3

5. LEASE DESIGNATION AND SERIAL NO.  
 Fee Land

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Mecca

9. WELL NO.  
 2-8A2

10. FIELD AND POOL, OR WILDCAT  
 Bluebell Wasatch

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 SESE Sec.8, T1S, R2W.

12. COUNTY OR PARISH  
 Duchsene

13. STATE  
 UT

16. NO. OF ACRES IN LEASE  
 640

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 640

19. PROPOSED DEPTH  
 14,500'

20. ROTARY OR CABLE TOOLS  
 Rotary

22. APPROX. DATE WORK WILL START\*  
 4-25-89

RECEIVED  
APR 20 1989

1. Enclosed attachments:
- a. Certified Location Plat.
  - b. Drilling Plan.
  - c. BOP Schematic.
  - d. Map showing roadway to wellsite.
  - e. Schematic showing...rig layout on wellsite.  
 ...wellsite cross-sections.

CONFIDENTIAL

2. Temporary Water Permit No. T-89-432 is on file with the State of Utah.  
 43-7301 4/89 to 4/90
3. This is an in-house well, 100% Pennzoil & Proven Property, Inc.

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

24. Office (801) 353-4397 Home (801) 781-0620  
 Drilling Superintendent 4-17-89

SIGNED Wilburn L. Luna TITLE \_\_\_\_\_ DATE \_\_\_\_\_

(This space for Federal or State office use)

PERMIT NO. 43-013-31231 APPROVAL DATE \_\_\_\_\_

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

UT-1 APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

DATE 5-5-89  
 BY: John R. Bays  
 WELL SPACING: Clause No. 139-42

\*See Instructions On Reverse Side

**PENNZOIL COMPANY**

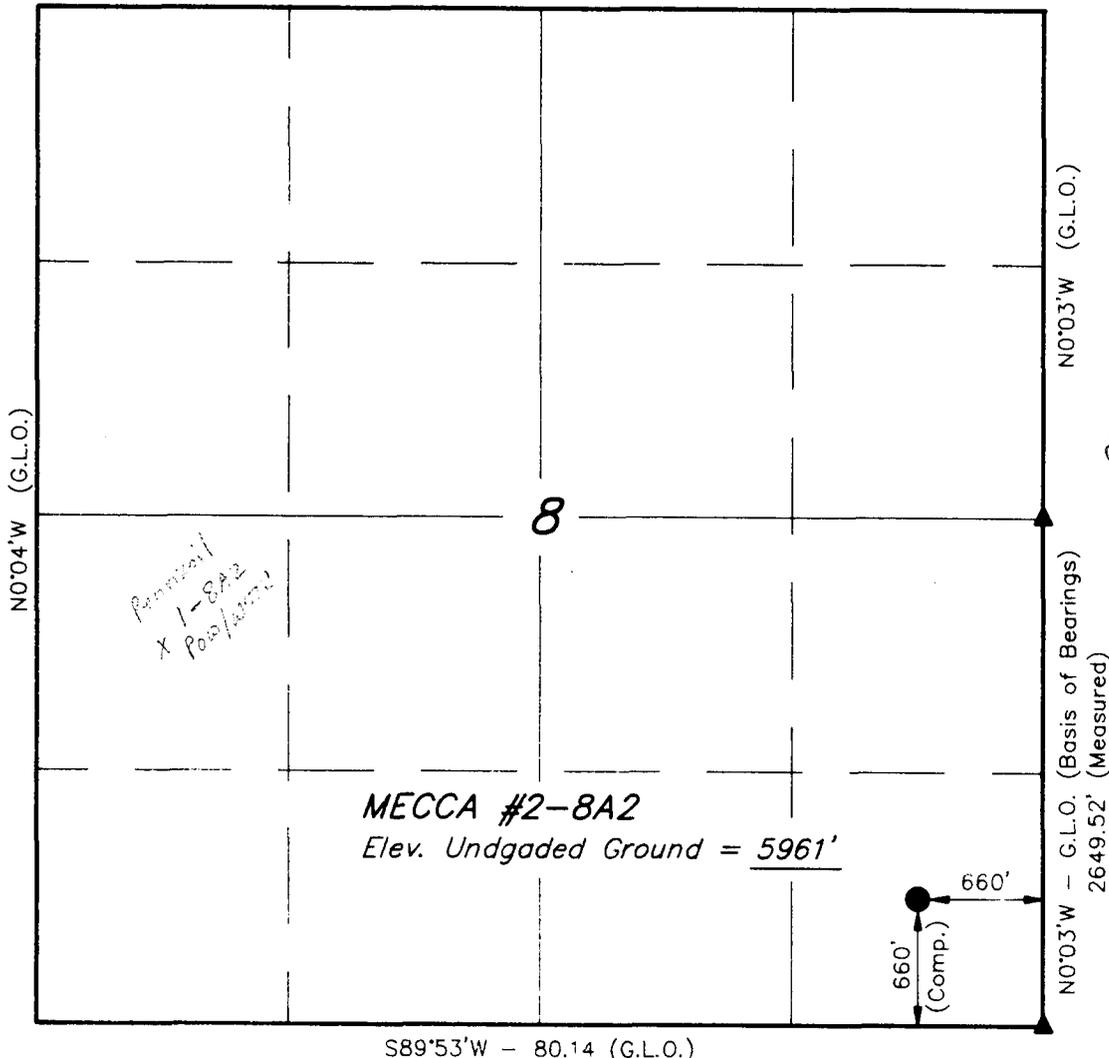
**T1S, R2W, U.S.B.&M.**

Well location, MECCA #2-8A2, located as shown in the SE 1/4 SE 1/4 OF SECTION 8, T1S, R2W, U.S.B.&M. Duchesne County, Utah.

WEST - 80.12 (G.L.O.)

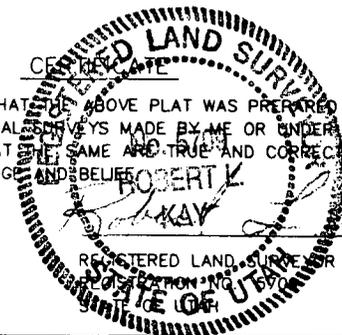
**BASIS OF ELEVATION**

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 8, T1S, R2W, U.S.B.&M. TAKEN FROM THE NEOLA QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY, SAID ELEVATION IS MARKED AS BEING 5952 FEET.



**RECEIVED**  
APR 20 1989

DIVISION OF  
OIL, GAS & MINING



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

**UTAH ENGINEERING & LAND SURVEYING**  
P. O. BOX 1758 - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 4-19-89
PARTY J.T.K. K.W. J.R.S.	REFERENCES G.L.O. PLAT
WEATHER COOL	FILE PENNZOIL CO.

▲ = SECTION CORNERS LOCATED. (STONE)

 **PENNZOIL EXPLORATION AND PRODUCTION COMPANY**

P. O. BOX 290 • NEOLA, UTAH 84053 • (801) 353-4397

April 19, 1989

**CONFIDENTIAL**

State of Utah, Dept of Natural Resources  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

**RECEIVED**  
APR 20 1989

DIVISION OF  
OIL, GAS & MINING

Re: APD for:  
Meecca No. 2-8A2  
660' FSL & 660' FEL  
SESE Section 8, T1S, R2W  
Duchesne County, Utah

Gentlemen:

Three (3) original copies of captioned APD with attachments are enclosed for your review and I trust your approval. Pennzoil Company requests that this APD and all related information submitted on this well be held confidential for that period of time as permitted by regulations and law.

Should there be any question, please contact the undersigned.

Sincerely,

Pennzoil Exploration & Production Company

*Wilburn L. Luna*

Wilburn L. Luna  
Drilling Superintendent

Enclosures

UT-9

OPERATOR:.....PENNZOIL COMPANY  
 WELL:.....Mecca No. 2-8A2  
 WELL LOCATION: .660' FNL, 660' FEL  
 SESE Section 8, T1S, R2W  
 Duchesne County, Utah

1. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL FORMATIONS:

Duchesne River	at surface (surface formation)
Green River	6,914'
Trona	8,171'
MB	8,939'
H	10,214'
K (CP70)	11,033'
Top 1st Red Wedge	11,559'
TAP Hi	13,761'
CP 200	13,799'
Three Fingered Lime	14,571'
CP 232	14,612'
Total Depth	14,900'

2. ESTIMATED OIL & WATER DEPTHS:

Water:.....None anticipated  
 Top Green River production....oil @ 8,939'  
 Top Wasatch production.....oil @ 13,821'

3. PROPOSED CASING PROGRAM:

- A. 14" conductor to be set and cemented at a proposed depth of 60'.
- B. 9 5/8", 40.0, N-80/S-95, LT&C to be set and cemented at a proposed depth of 4,600'±.  
 Cement: Low density filler cement to surface. Tail-in with 250 sks Cl "G" or "H" tailored for depth and Temp.
- C. 7", 23, 26 & 29#, P-110/S-95/N-80, LT&C/BUTT to be set and cemented at a proposed depth of 14,900'±.  
 Cement: Low density filler cement to surface. Tail in with Cl "G" or "H" tailored to depth and temperature.

IF NEEDED:

- D. 5", 18#, P-110, integral joint, liner to be set and cemented from 11,100' to 14,500'.  
 Cement: Cl "G" or "H" tailored to depth & temperature.

## 4, OPERATOR'S PRESSURE CONTROL PLAN;

Figure No. 1 is a schematic of minimum BOP equipment.

The BOP equipment will be nipped up on the surface casing and pressure tested prior to drilling out:

- A. All rams and choke manifold will be tested to 5000Psi.
- B. Bag preventer will be tested to 50% of its rated working pressure.

Record all BOP tests on tour reports.

Retest BOP stack every 28 days.

Before drilling out test surface casing to 4025Psi.

Fill-up line above the Bag Type Preventer.

Kill line located below the BOP rams.

Operational Checks:

Pipe rams will be closed and opened once each 24 hours.

Blind rams will be closed and opened each time the drill string is pulled from the well bore.

Auxiliary well control and monitoring equipment:

- A. Upper and lower kelly cocks will be utilized.
- B. A full-opening drill pipe stabbing valve with proper drill pipe fittings will be utilized when the kelly is not in the string.
- C. PVT equipment will be used to monitor the mud system from the top of the transition zone to Total Depth.

5. PROPOSED DRILLING FLUID PROGRAM:

A. Conductor & surface hole: Drill with clean fresh water. On the surface hole the drill solids will be flocculated with Lime to keep the water clean.

Should a water flow be encountered, it will be controlled with fresh water mud and drilling will continue.

B. Productive interval: Start drilling this interval with fresh water containing 3% KCL. Viscous sweeps will be used to keep the well bore clean and a flocculent to keep the water clean.

When well bore conditions dictate (tight hole, bridging & etc.) mud up will be with a polymer.

Salt, sodium chloride, will be used to increase the fluid weight to 9.8#. Above 9.8# mud-up will be with polymer and barite.

Final fluid properties: 12.5/13.0#, 35/45 Vis, 10/12 WL.

WELL BORE EVALUATION:

a. DRILL STEM TESTING:.....None planned.

B. CORING:.....None planned.

C. LOGGING: Surface Hole:.....None.

Productive interval:....DIL-GR  
 FDC-CNL  
 BHC-SONIC

D. COMPLETION: The objective formation is the Wasatch. Selected zones will be perforated and evaluated for stimulation work.

## 7. PRESSURES &amp; TEMPERATURES:

## A. PRESSURE:

At Total Depth ( 14,900'+) the mud weight will probably be 12.6# and the formation pressure 9500Psi.

## B. TEMPERATURE:

Temperatures are normal for this area and well depth, probably 225/240 degrees at 14,900'.

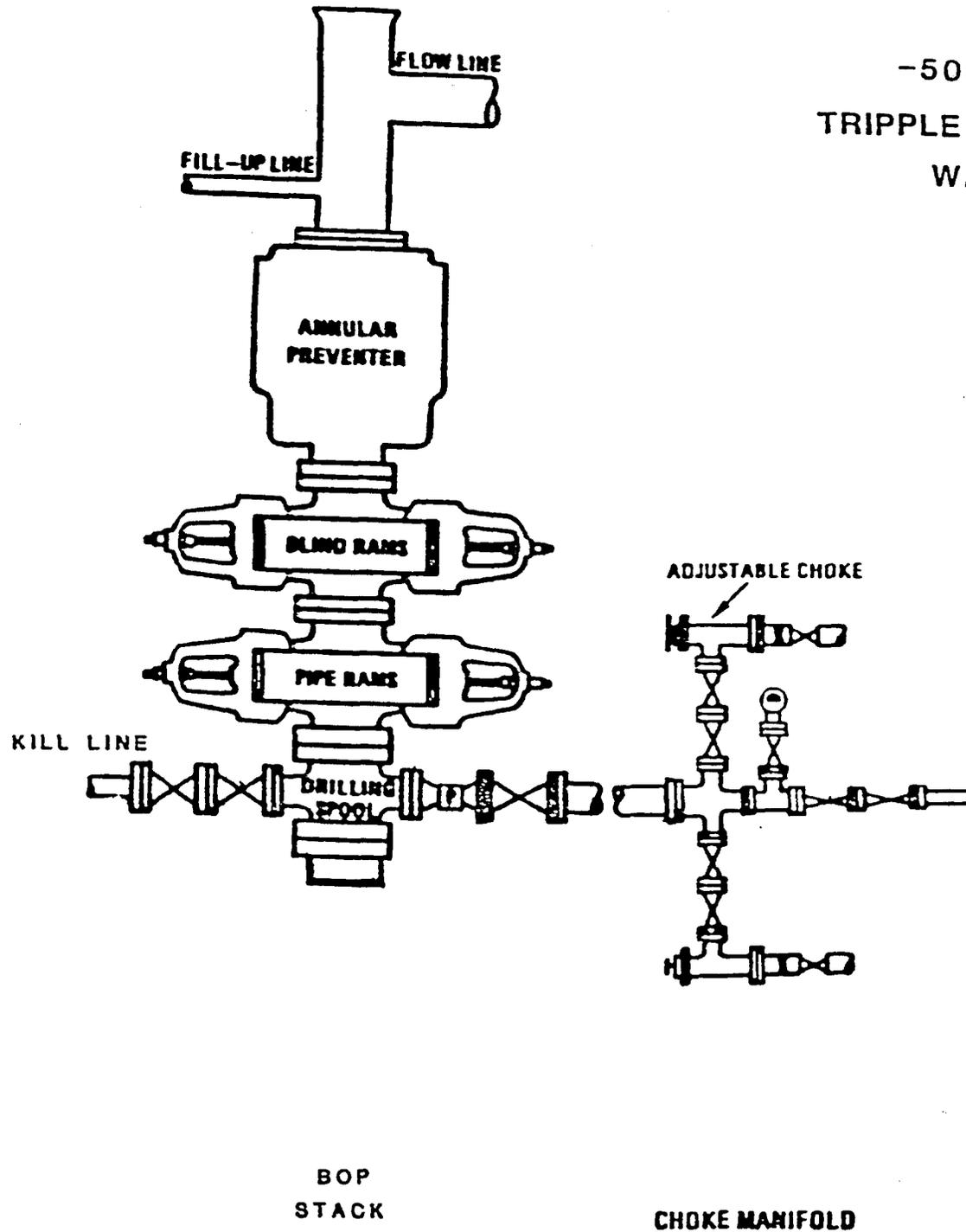
## 8. ANTICIPATED STARTING DATE:

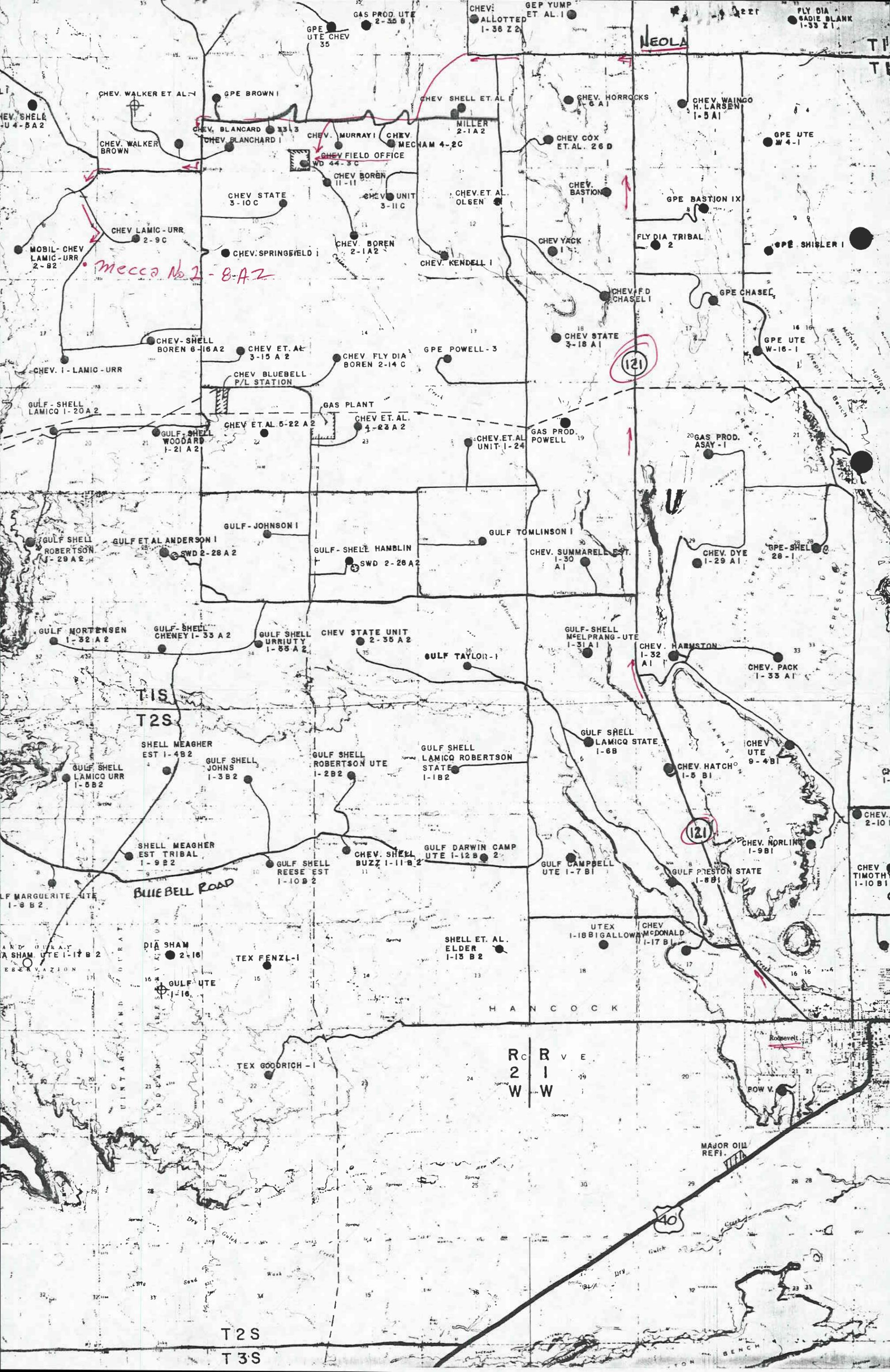
Construction of road and location will probably start within one (1) to five (5) days of permit approval.

## 9. This well will be drilled per regulations as set forth by the:

State of Utah Natural Resource  
Oil, Gas & Mining Division

BOP SCHEMATIC  
-5000 PSI - WORKING PRESSURE  
TRIPPLE GATE - BAG TYPE - BOP STACK  
W/ HYDAULIC CHOKE MANIFOLD  
for:  
MECCA No. 2-8A2





mecca No 2 - 8-A-2

NEOLA

T1S  
T2S

BLUE BELL ROAD

R2W  
R3W

T2S  
T3S

40

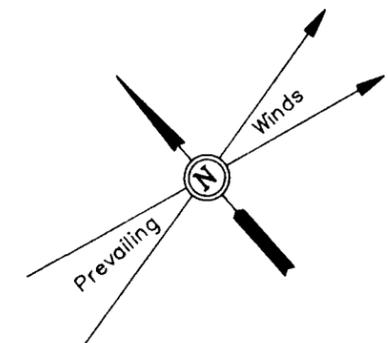
MAJOR OIL REFI.

Roosevelt

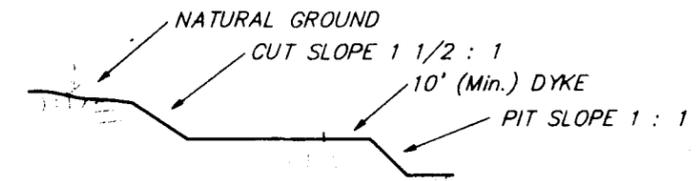
ROW V.

BENCH

**PENNZOIL COMPANY**  
 LOCATION LAYOUT FOR  
 MECCA #2-8A2  
 SECTION 8, T1S, R2W, U.S.B.&M.



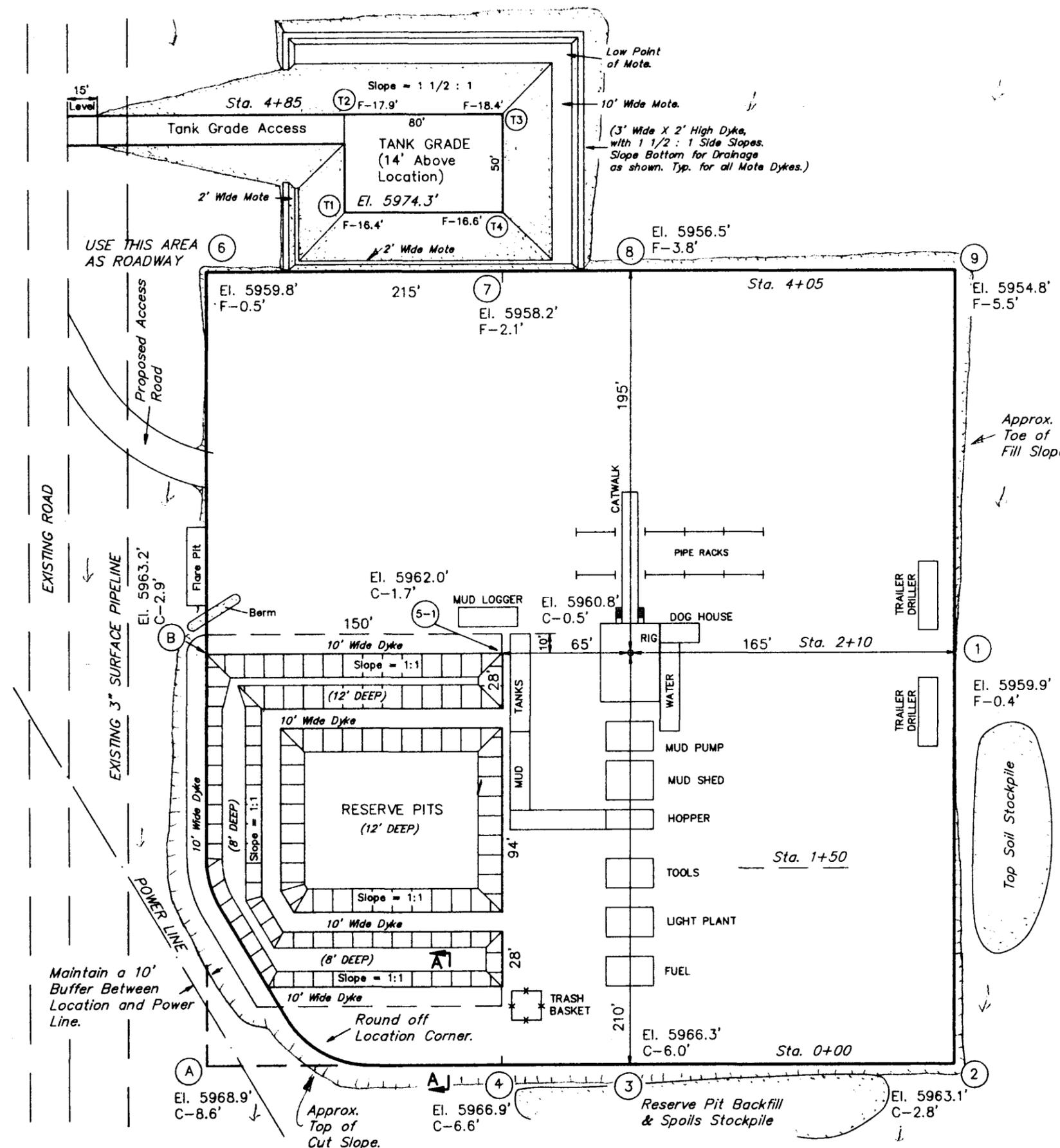
SCALE: 1" = 60'  
 DATE: 4-19-89



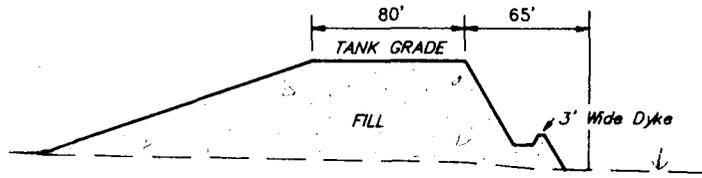
**SECTION A-A**

**APPROXIMATE YARDAGES**

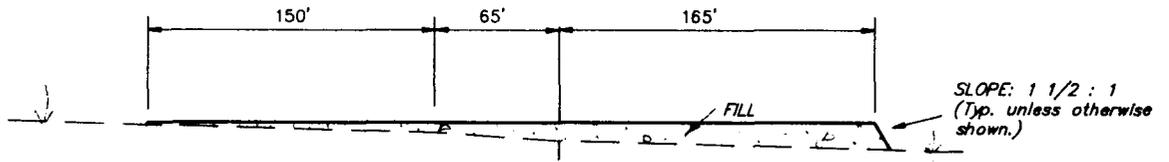
CUT		EXCESS MATERIAL AFTER	
(6") Topsoil Stripping	= 3,415 Cu. Yds.	5% COMPACTION	= 9,140 Cu. Yds.
Pit Volume (Below Grade)	= 6,182 Cu. Yds.	Topsoil & Pit Backfill	= 6,506 Cu. Yds.
Remaining Location	= 12,223 Cu. Yds.	(1/2 Pit Vol.)	
<b>TOTAL CUT</b>	<b>= 21,820 CU.YDS.</b>	EXCESS UNBALANCE	= 2,634 Cu. Yds.
<b>FILL</b>	<b>= 12,046 CU.YDS.</b>	(After Rehabilitation)	



**PENNZOIL COMPANY**  
 TYPICAL CROSS SECTIONS FOR  
 MECCA #2-8A2  
 SECTION 8, T1S, R2W, U.S.B.&M.

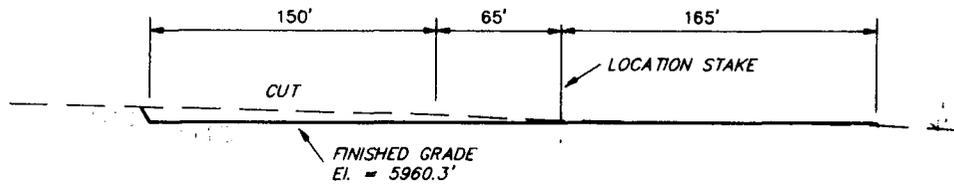


STATION 4+85.00



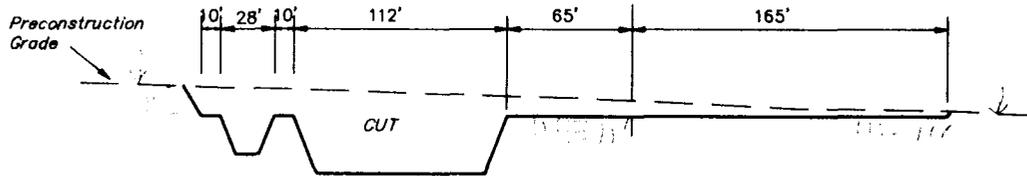
STATION 4+05.00

X-Section Scale  
 1" = 40'  
 1" = 100'

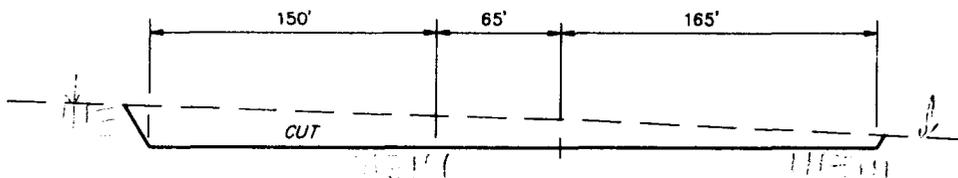


DATE: 4-19-89

STATION 2+10.00



STATION 1+00.00



STATION 0+00.00

DRILLING LOCATION ASSESSMENT

State of Utah  
Division of Oil, Gas and Mining

OPERATOR: PENNZOIL COMPANY            WELL NAME: MECCA 2-8A2  
SECTION: 8    TWP: 1S    RNG: 2W    LOC: 660    FSL 660    FEL  
QTR/QTR SE/SE COUNTY: DUCHESNE        FIELD: BLUEBELL  
SURFACE OWNER: EARL SHANKS  
SPACING: 660 F SECTION LINE 660 F QTR/QTR LINE 1320 F ANOTHER WELL  
INSPECTOR: Brad Hill                    DATE AND TIME: April 21, 1989 10AM

PARTICIPANTS: Dan Jarvis-DOGMA, Wil Luna-Pennzoil, Tracy Monk-  
Contractor, Gil Mitchell- Contractor

REGIONAL SETTING/TOPOGRAPHY: The proposed location is in the NW  
portion of the Uinta Basin in a flat area which is unbroken by  
hills or drainages.

LAND USE:

CURRENT SURFACE USE: None at this time. Has been used for grazing  
in the past.

PROPOSED SURFACE DISTURBANCE: A rectangular shaped pad  
approximately 400'X 380' will be constructed. This pad will  
include the reserve pit. An extension will be built for the tank  
battery, approximately 180'X 160'. Existing roads will be used.

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: Sage, scattered Juniper, Grease Bush, sparse grass/  
Deer, Birds

ENVIRONMENTAL PARAMETERS

SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: Loose silty-sand

SURFACE FORMATION & CHARACTERISTICS: Quaternary eolian silty-  
sand which overlays the Duchesne River Formation. Depth to  
the Duchesne River Formation is undetermined but it can be  
seen in nearby outcrops and may be quite close to the surface.

EROSION/SEDIMENTATION/STABILITY: No active erosion or  
sedimentation is presently occurring. The area is flat and  
is not cut by any channels and should therefore be quite  
stable.

PALEONTOLOGICAL POTENTIAL: None observed

## SUBSURFACE GEOLOGY

OBJECTIVES/DEPTHS: Green River-8939', Wasatch-13821'

ABNORMAL PRESSURES-HIGH AND LOW: None anticipated

CULTURAL RESOURCES/ARCHAEOLOGY: NA

CONSTRUCTION MATERIALS: An amount of gravel will be brought in which will be sufficient to cover the location with a thickness of 4".

SITE RECLAMATION: If the well is non-productive the site will be reclaimed as per instructions of the landowner.

### RESERVE PIT

CHARACTERISTICS: The reserve pit to be constructed is of an irregular shape (see application) and placed on the SW portion of the pad.

LINING: Required lining will be determined when pit is constructed.

MUD PROGRAM: Surface hole to be drilled with fresh water. The productive interval will be drilled with 3% KCl and will be mudded up with NaCl, polymer and Barite as needed.

DRILLING WATER SUPPLY: Water for drilling will be obtained from a Pennzoil owned water well 2 1/2 miles to the south.

### STIPULATIONS FOR APD APPROVAL

Pit should be checked prior to introduction of fluids to determine lining requirements.

### ATTACHMENTS

See application for site diagram.

# CONFIDENTIAL

OPERATOR Pennzoil Exploration & Prod. Co. DATE 4-24-89

WELL NAME Mecca 2-8A2

SEC SESE 8 T 15 R 2W COUNTY Duchesne

43-013-31231  
API NUMBER

Fee  
TYPE OF LEASE

CHECK OFF:

PLAT

Blanket BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

One other well sec. 8 NWSW (sections 9, 16, & 17 ok!)  
Water permit # ~~89-43-2~~ / ~~43-7301~~ 4-89 to 4-90 chg. 5-11-89  
Tr 89-43-3 / 43-3082  
Presite Brad Hill - Received 5-1-89.  
4-26-89 Verbal approval to begin surface work. - J.R. Baza

APPROVAL LETTER:

SPACING:  R615-2-3 N/A  R615-3-2  
UNIT  
(2nd well)  
 Case No 139-42 / 4-12-85  R615-3-3  
CAUSE NO. & DATE

STIPULATIONS:

- 1- Fee Land Stipulation (F)
2. Per conversation between W. Lynn of Pennzoil and J. Baza of DOGM, Pennzoil intends to use a fresh water mud system for drilling the well. A ~~detanted~~ description of the planned mud program shall be submitted to the Division prior to commencement of drilling.
3. Pennzoil shall contact DOGM upon excavation of reserve pit and prior to introduction of fluids to allow inspection and determination of pit lining requirements.

**CONFIDENTIAL**  
**PERIOD EXPIRED**  
**ON 1-31-91**

0218T

Division of Oil, Gas and Mining  
**PHONE CONVERSATION DOCUMENTATION FORM**

Route original/copy to:

**Well File** Mecca 2-8AZ       **Suspense**       **Other**  
(Return Date) \_\_\_\_\_  
(Location) Sec 8 Twp 15 Rng 2W      (To - Initials) \_\_\_\_\_  
(API No.) NA \_\_\_\_\_

1. Date of Phone Call: 4-26-89      Time: \_\_\_\_\_

2. DOGM Employee (name) J. Baza      (Initiated Call )  
Talked to:  
Name W. Luna      (Initiated Call ) - Phone No. (801) 353-4397  
of (Company/Organization) Pennzoil Exp. & Prod. Co.

3. Topic of Conversation: APD submitted - need permission to begin location construction.

4. Highlights of Conversation: Dan & Brad attended presite - no problems. Gave verbal OK to begin surface work.

Division of Oil, Gas and Mining  
**PHONE CONVERSATION DOCUMENTATION FORM**

Route original/copy to:

Well File Mecca 2-8AZ

Suspense  
(Return Date) \_\_\_\_\_

Other  
\_\_\_\_\_

(Location) Sec 8 Twp 15 Rng 2W  
(API No.) NA

(To - Initials) \_\_\_\_\_

\_\_\_\_\_

1. Date of Phone Call: 4-28-89 Time: —

2. DOGM Employee (name) J. Baza (Initiated Call )  
Talked to:

Name W. Luna (Initiated Call ) - Phone No. (801) 353-4397

of (Company/Organization) Pennzoil Exp. & Prod. Co.

3. Topic of Conversation: Change in APD.

4. Highlights of Conversation: Pennzoil submitted drilling plan showing salt water mud system. They have changed their minds. They will return to standard fresh water mud system typically used on other Pennzoil wells.



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangarter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

May 5, 1989

Pennzoil Exploration & Prod. Co.  
P. O. Box 290  
Neola, Utah 84053

Gentlemen:

Re: Mecca 2-8A2 - SE SE Sec. 8, T. 1S, R. 2W - Duchesne County, Utah  
660' FSL, 660' FEL

Approval to drill the referenced well is hereby granted in accordance with the Order of Cause No. 139-42 dated April 12, 1985, subject to the following stipulations:

1. Pennzoil, as designated operator, is the bonded principal in reference to this Application for Permit to Drill. Should this designation change or a transfer of ownership occur, liability will remain with the designated operator until the Division is notified by letter of a new bonded principal.
2. Per conversation between Wilburn Luna of Pennzoil and John Baza of the Division of Oil, Gas & Mining on April 28, 1989, Pennzoil intends to use a fresh water mud system for drilling the well. A description of the planned mud program shall be submitted to the Division prior to commencement of drilling.
3. Pennzoil shall contact the Division upon excavation of the reserve pit and prior to the introduction of fluids to allow inspection and determination of pit lining requirements.

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

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form OGC-8-X.

4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-22, Gas Flaring or Venting, Oil and Gas Conservation General Rules.
6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-013-31231.

Sincerely,



R. J. Firth  
Associate Director, Oil & Gas

lr  
Enclosures  
cc: Branch of Fluid Minerals  
D. R. Nielson  
WE14/1-2

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API NO. 43-013-31231

NAME OF COMPANY: PENNZOIL EXPLORATION & PRODUCTION COMPANY

WELL NAME: MECCA 2-8A2

SECTION SESE 8 TOWNSHIP 1S RANGE 2W COUNTY DUCHESNE

DRILLING CONTRACTOR BENCO

RIG # 1

SPUDED: DATE 5/8/89

TIME 10:00 a.m.

How DRY HOLE

CONFIDENTIAL

DRILLING WILL COMMENCE GRACE 5/11/89

REPORTED BY DANNY LAMAN

TELEPHONE # 801-353-4397

DATE 5/8/89 SIGNED TAS

**RECEIVED**  
MAY 12 1989

ENTITY ACTION FORM - DOGM FORM 6

DIVISION OF  
OIL, GAS & MINING

OPERATOR Pennzoil Expl. + Prod. Co.  
ADDRESS P.O. Box 2967  
Houston, Tx 77252-0967

OPERATOR CODE N2885  
PHONE NO. 713, 546-4000

**CONFIDENTIAL**

OPERATORS MUST COMPLETE FORM UPON SPUDDING NEW WELL OR WHEN CHANGE IN OPERATIONS OR INTERESTS NECESSITATES CHANGE IN EXISTING ENTITY NUMBER ASSIGNMENT.

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	10981	4301331231	Mecca 2-8A2	SE/SE	8	1S	2W	Duchesne	05/09/89	
<p>COMMENTS: Fee-lease Proposed Zone-WSTC Field-Bluebell (one other well sec. 8 operated by Pennzoil, separate tank battery. Assign new entity 10981) Unit-N/A on 5-16-89. for</p>											
COMMENTS:											
COMMENTS:											
COMMENTS:											
COMMENTS:											

ACTION CODES: A - ESTABLISH NEW ENTITY FOR NEW WELL  
B - ADD NEW WELL TO EXISTING ENTITY  
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)  
(SEE INSTRUCTIONS ON BACK OF FORM)

Elizabeth O. Araylor  
SIGNATURE  
Accountant 5/11/89  
TITLE DATE

 **PENNZOIL EXPLORATION AND PRODUCTION COMPANY**

P. O. BOX 290 • NEOLA, UTAH 84053 • (801) 353-4397

May 11, 1989

**CONFIDENTIAL**

State of Utah, Dept of Natural Resources  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

**RECEIVED**  
MAY 12 1989  
DIVISION OF  
OIL, GAS & MINING

Re: SUNDRY NOTICES & REPORTS ON WELLS  
Meecca No. 2-8A2  
660' FSL & 660' FEL  
SESE Section 8, T1S, R2W  
Duchesne County, Utah  
API: 43-013-31231

Gentlemen:

The original and three copies of captioned Sundry Notice are enclosed. Changes in the drilling plan are listed on the enclosure.

Should there be any question, please contact the undersigned.

Sincerely,

Pennzoil Exploration & Production Company

*Wilburn L. Luna*  
Wilburn L. Luna  
Drilling Superintendent

Enclosure

UT-9



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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1.  OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Pennzoil Exploration & Production Co.

3. ADDRESS OF OPERATOR  
P. O. Box 290 Neola, Utah 84053

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface  
660' FSL & FEL

14. API NUMBER  
43-013-31231

15. ELEVATIONS (Show whether DF, RT, or, etc.)  
5960.9' GL (ungraded)

RECEIVED  
MAY 12 1989

5. LEASE DESIGNATION AND SERIAL NO.  
Fee Land

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Mecca

9. WELL NO.  
2-8A2

10. FIELD AND POOL, OR WILDCAT  
Bluebell-Wasatch

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA  
Sec. 8, T1S, R2W

12. COUNTY OR PARISH  
Duchesne

13. STATE  
Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

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

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

A. Water permit has been changed from: T-89-43-2 & 43-7301 to:  
T 89-43-3 & 43-3082.

B. Change drilling fluid to:

Conductor hole, fresh water and/or mud as needed.

Surface hole, Fresh water w/lime as needed & Fresh mud if a water flow is encountered.

Production interval, Drill out & ahead with fresh water containing 3% KCL. Will mud up with fresh water/mud products as dictated by wellbore conditions. From top of Green River to T.D. the mud will have 5000ppm or more of chlorides.

Final mud: 13.5#± wt., 45# vis., yd of 10 to 20.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 5-22-89  
BY: John R. Day

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

SIGNED William S. Fisher TITLE Drilling Superintendent DATE May 11, 1989

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

THIS IS A SECOND REPORT OF A SPUD  
THIS SPUD IS FOR THE ROTARY RIG MOVED IN  
DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION      API NO. 43-013-31231

NAME OF COMPANY: PENNZOIL EXPLORATION & PRODUCTION COMPANY

WELL NAME: MECCA 2-8A2

SECTION SESE 8 TOWNSHIP 1S RANGE 2W COUNTY DUCHESNE

DRILLING CONTRACTOR GRACE DRILLING

RIG # 186

SPUDDED: DATE 5/16/89

TIME 10:00 p.m.

How ROTARY

**CONFIDENTIAL**

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY DANNY LAMAN

TELEPHONE # 353-4397

DATE 5/22/89 SIGNED TAS

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
DRILLING AND WELL PLUGGING INSPECTION FORM

COMPANY: Pennzoil COMPANY MAN: Danny Laman  
WELL NAME: Mecca 2-8A2 API #: 43-013-31231  
QTR/QTR: SE/SE SECTION: 8 TWP: 1S RANGE: 2W  
CONTRACTOR: Grace 186 PUSHER/DRLR: C. Cuth  
INSPECTOR: GARY GARNER DATE: 5/17/89 OPERATIONS: Drilling  
SPUD DATE: 5/17/89 TOTAL DEPTH: 130'

DRILLING AND COMPLETIONS

APD       WELL SIGN       BOPE       RESERVE PIT  
 FLARE PIT       BURN PIT       H2S       BLOOIE LINE  
 SANITATION       HOUSEKEEPING       VENTED/FLARED

PLUGGING AND ABANDONMENT

PRODUCING FM(S): \_\_\_\_\_

PLUGS:	TYPE/SIZE	INTERVAL
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

PERFORATIONS: \_\_\_\_\_

CASING SIZE: \_\_\_\_\_ PULLED: YES / NO CUT AT: \_\_\_\_\_

PLUGS TESTED: \_\_\_\_\_ HOW: \_\_\_\_\_ WOC: \_\_\_\_\_

MARKER: \_\_\_\_\_ SURFACE: \_\_\_\_\_ PLATE: \_\_\_\_\_

RECLAMATION:

CONTOURED: \_\_\_\_\_ RIPPED: \_\_\_\_\_ REHAB'D: \_\_\_\_\_

LEGEND: (Y)-YES (P)-PROBLEM (U)-UNKNOWN (BLANK)-NOT APPLICABLE

REMARKS: spudded @ 7am 5/17/89 - depth 130'  
spud depth 119'

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
CEMENTING OPERATIONS

COMPANY NAME: Pennzoil Exploration Co.

WELL NAME: Mecca 2-8AZ

QTR/QTR SE/SE SECTION 8 TOWNSHIP 15 RANGE 2E

CEMENTING COMPANY: Dowell WELL SIGN

INSPECTOR: GARY GARNER / MIKE LAINE DATE: 5/24 - 5/25/89

CEMENTING OPERATIONS:

PLUGBACK: \_\_\_\_\_ SQUEEZE: \_\_\_\_\_ CASING:  P-A ZONE: \_\_\_\_\_

SURFACE CASING:  INTERMEDIATE \_\_\_\_\_ PROD CASING: \_\_\_\_\_

PERFORATIONS \_\_\_\_\_ SQUEEZE PRESSURE \_\_\_\_\_

CASING INFORMATION:

SIZE 9 5/8 GRADE: K-55  
3-80  
3-25 HOLE SIZE: 12 1/4 DEPTH: 4620

SLURRY INFORMATION:

- CLASS: 1545 sx lite w/ 10#  
Gilsonite, 1/4 # cello  
LEAD: Flakes, 2% CaCl TAIL: 300 sx class G w/ 1/4 # cello flakes
- SLURRY WEIGHT:  
LEAD: 12.1 yield 2.12 TAIL: 15.4 yield 1.11
- WATER (GAL/SK)  
LEAD: \_\_\_\_\_ TAIL: \_\_\_\_\_
- COMPRESSIVE STRENGTH  
PSI @ 5000 HR \_\_\_\_\_

PIPE CENTRALIZED yes CEMENTING STAGES \_\_\_\_\_

LOST RETURNS \_\_\_\_\_ REGAIN RETURNS no BARRELS LOST \_\_\_\_\_

TOP OF CEMENT surface PERF INTERVAL \_\_\_\_\_

CEMENT TO SURFACE? yes

ADDITIONAL COMMENTS: initial stage was 150% excess - never got  
returns - had to 1" to surface - used an additional 250 sx

# Quick Test Nipple Up Service B.O.P. Testing

2512 North 500 East • Vernal, Utah 84078  
Office (801) 789-8159

BILLING TICKET  
No 1860

RENTED TO Grace NO. \_\_\_\_\_

ORDERED BY \_\_\_\_\_ LEASE Mecca DATE 5-26-89 WELL NO. 28A2

Rental begins when tools leave our warehouse and continues until returned thereto. Rental day starts at midnight and part day shall be charged as full day.

TRANSPORTATION — ROUNDTrip TO AND FROM JOBSITE \_\_\_\_\_ MILES @ \$ \_\_\_\_\_ per mile \$ \_\_\_\_\_

**Portable BLOWOUT PREVENTER PRESSURE TESTING SERVICE:**

SET UP CHARGE \_\_\_\_\_ Hr. Min. \$ \_\_\_\_\_

HOURLY RATE - TOTAL TIME ON LOCATION \_\_\_\_\_ Hrs @ \_\_\_\_\_ \$ \_\_\_\_\_

Items Tested:

<u>UPPER</u> rams to <u>5000</u> #	Csg. to <u>4000</u> #	Choke Manifold <u>5000</u> #
<u>LOWER</u> rams to <u>5000</u> #	Hydril B O P to <u>5000</u> #	Upper Kelly Cock <u>5000</u> #
<u>Blind</u> rams to <u>5000</u> #	Choke Line <u>5000</u> #	Lower Kelly Cock <u>5000</u> #
_____ rams to _____ #	Inside B.O.P. _____ #	Safety Valve <u>5000</u> #

OTHER: PART VALUE 5000 PSI

9 5/8 CASING TO 4000 PSI 10 min

TEST SUBS: 4 1/2 x 11 Conn. Size \_\_\_\_\_ @ \$ \_\_\_\_\_ each. \$ \_\_\_\_\_

PLUGS: TYPE WKM SIZE 10" @ \_\_\_\_\_ \$ \_\_\_\_\_

PACKER: SIZE \_\_\_\_\_ @ \_\_\_\_\_ \$ \_\_\_\_\_

CHEMICALS: \_\_\_\_\_ @ \_\_\_\_\_ \$ \_\_\_\_\_

SECTION: 8

TOWNSHIP: 15

RANGE: 2W

COUNTY: Duchesne Utah

CHARGE TO:

( ) OPERATOR Pennzoil

( ) CONTRACTOR Grace RIG # 186

SUB TOTAL \_\_\_\_\_

% TAX \_\_\_\_\_

BILLING ADDRESS:

TOTAL --- \$ \_\_\_\_\_

**TERMS NET CASH — NO DISCOUNT. (PRICES SUBJECT TO CHANGE WITHOUT NOTICE): Terms and Conditions Under Which Tools and Other Equipment Are Rented:**  
Lessor exercises precautions to keep its tools and other equipment in good condition. All tools and other equipment rented from Lessor is used at Lessee's sole risk. Lessee agrees that Lessor shall not be liable for any damages for personal injuries to any persons or for any damage to Lessor's property or the property of other persons that may be caused by any of such tools or other equipment, or that may be caused by its failure during use, and Lessee hereby agrees to hold harmless and indemnify Lessor against all persons for all personal injuries and/or property damage. Well conditions which prevent satisfactory operation of equipment do not relieve Lessee of his responsibility for rental charges. Lessee assumes all responsibility for equipment while out of possession of the Lessor and promises to return such equipment to the Lessor in as good condition as it was at the effective date of the lease, natural wear and tear from reasonable use thereof excepted. All equipment lost or damaged beyond repair will be paid for by the Lessee at the market price and all damaged equipment which can be repaired will be repaired and the repairs paid for by the Lessee. Accrued rental charges cannot be applied against the purchase price or cost of repairs of such damaged or lost equipment. All transportation charges must be borne by the Lessee. Rental begins when equipment leaves Lessor's yard and continues until returned thereto. ALL TOOLS AND EQUIPMENT SHALL REMAIN the sole property of Lessor. This lease is made and shall be effective when the equipment is delivered to the carrier selected by the Lessee.

TERMS: Net Cash - No Discount. All charges are due and payable at the office of Lessor in Vernal, Utah on the 20th of the month following date of invoice. Interest will be charged at the rate of 18% or maximum allowed by law. Interest charged after 60 days from date of invoice.

We Appreciate Your Business

Paul Batchelder  
DELIVERED BY:

By: \_\_\_\_\_  
OWNER OR OWNER'S REPRESENTATIVE

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
BOPE TEST INSPECTION FORM

COMPANY: Pennzoil Exploration REPRESENTATIVE: Danny Laman.  
WELL NAME: Mecca 2-8A2 API# 43-013-31231  
QTR/QTR SE/SE SECTION 8 WELLSIGN  TWP 15 RANGE 2W  
INSPECTOR: GARY GAENER DATE: 5/26-5/27/89  
DRILLING CONTRACTOR Grace 186 RIG # \_\_\_\_\_  
RIG OPERATIONS: setting surface pipe.  
DEPTH 4620 LAST CASING \_\_\_\_\_ @ \_\_\_\_\_  
TEST BY Quick Test - Nipple Up Serv. WATER  MUD \_\_\_\_\_  
PRESSURE RATING OF STACK 5000 psi H2S RATED \_\_\_\_\_  
TEST PRESSURES 5000 / 10min KELLYCOCK: UPPER 5000 LOWER 5000  
INSIDE BOP 5000 FULL OPENING VALVE ON FLOOR yes  
WRENCH FOR FULL OPENING VALVE/KELLYCOCK ON FLOOR yes.  
STACK - LISTED AS ARRANGED - TOP TO BOTTOM:

1. Annular
2. Blind Rams
3. Pipe Rams - upper lower
4. Kill Line
5. Drilling Spool.
6. \_\_\_\_\_

ADDITIONAL COMMENTS: most tests leaked initially - mainly due to the equipment not being used in a while - after Flushing all tests were successfully completed.

REPORTED BY: GARY GAENER PHONE: 801-538-5340  
DATE: 5/27/89 SIGNED: Gary Gaener

(IF TESTED BY INDEPENDENT COMPANY, ATTACH COPY OF TEST)

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

5. LEASE DESIGNATION AND SERIAL NO. FEE LAND
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Mecca
9. WELL NO. 2-8A2
10. FIELD AND POOL, OR WILDCAT Bluebell/Wasatch
11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA SESE Section 8, T1S, R2W
12. COUNTY OR PARISH 13. STATE Duchesne Utah

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Pennzoil Exploration & Production Company

3. ADDRESS OF OPERATOR  
P.O.. Box 290 Neola, Utah

4. LOCATION OF WELL (Report location clearly and in accordance with applicable State requirements.\* See also space 17 below.)  
At surface  
/660' FSL & 660' FEL

14. API NUMBER  
43-013-31231

15. ELEVATION (Show whether D, M., or F.)  
5960.97' GL graded

**RECEIVED**  
JUL 25 1989

**CONFIDENTIAL**  
DIVISION OF OIL, GAS & MINING

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Drilling operations report <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

- Spudded w/rathole machine @ 10:00AM on 5-8-89. Ran, set & cmted 16" conductor pipe @ 103' below GL.
- Spud w/Grace Rig #186 @ 8:00AM on 5-18-89. Drill surface to 4620' with fresh water.
- Ran 108 jts 9 5/8" (4625.8') 36 & 40#, S-80/K-55/S-95, ST&C csg. Set & cmted same @ 4620' w/1845 sks of cmt. Cmt did not circ. Re-cemented three (3) times to get cmt to surface.
- N/U BOP stack and test same to 5000Psi & 9 5/8" csg to 4025Psi, all test OK.
- Drill 15' of new hole and test csg seat w/fresh water in wellbore to 4025Psi with no bleed off for and EMW of 25.2#/gal.
- Drilling to 5543' w/F. water & KCL water & pressured tested open hole to leak-off for an EMW of 10.3#/gal.
- Drilled to 10,581' w/KCl water & circ 9.6# mud around.
- Drilled ahead & @ TD of 14,615' had mud properties of 11.0#-41vis-9.4WL.
- Schlumberger logged well w/DLL-MFSL-GR, SONIC, CNL-FDC & DIP-METER.
- Ran 352 jts ( 14,613') 7", 23-26-29#, N-80/S-95/P-110, Butt/LT&C csg. Set & cmted same @ 14,610' in three stages.
- 1st stage: 830sks. 2nd stage: 1130sks. 3rd stage: 1485sks.
- Released rig @ 2:00PM on 7-21-89. RD & MORT.

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

SIGNED Wilburn L. Luna TITLE Drilling Superintendent DATE July 24, 1989

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

 **PENNZOIL EXPLORATION AND PRODUCTION COMPANY**

P. O. BOX 290 • NEOLA, UTAH 84053 • (801) 353-4397

July 24, 1989

State of Utah, Dept of Natural Resources  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

**RECEIVED**  
JUL 25 1989

DIVISION OF  
OIL, GAS & MINING

Re: Drilling Operations Report  
Mecca No. 2-8A2  
SESE Section 8, T1S, R2W  
Duchesne County, Utah  
API 43-013-31231

**CONFIDENTIAL**

Gentlemen:

Enclosed please find the original and three (3) Copies of your DOGM Form 5 "SUNDRY NOTICES & REPORTS ON WELLS" for captioned operations.

Should there be any question, please contact the undersigned at (801) 353-4397.

Sincerely,

Pennzoil Exploration & Production Company

*Wilburn L. Luna*  
Wilburn L. Luna  
Drilling Superintendent

Enclosure



UT-3

# EDWARD ENGINEERING

PETROLEUM CONSULTANTS  
888 SOUTH LIPAN, SUITE C  
DENVER, COLORADO 80223  
(303) 936-0161

August 10, 1989

**RECEIVED**  
AUG 16 1989

DIVISION OF  
OIL, GAS & MINING

To: Utah Oil, Gas, & Mining  
355 West North Temple  
Suite 350  
Salt Lake City, UT 84180

From: Marjorie A. Pirece  
EDWARD ENGINEERING  
888 South Lipan  
Denver, CO 80223

RE: Transmittal of Geological Report  
Pennzoil Company  
Mecca 2-8A2  
Bluebell-Altamont Field  
Duchesne Co., Utah  
API 43-013-31231

I have enclosed a copy of the geological report for the Mecca 2-8A2, which was just recently drilled by Pennzoil in Section 8, T1S, R2W, Duchesne Co., Utah. If you have any questions please do not hesitate to contact me at one of these phone numbers:

303-936-0161 Denver Office  
303-466-6277 Home

Sincerely,

*Marjorie A. Pirece*  
Marjorie A. Pierce

**CONFIDENTIAL**

**CONFIDENTIAL**

---

**EDWARD ENGINEERING**

**RECEIVED**  
AUG 16 1989

DIVISION OF  
OIL, GAS & MINING

PENNZOIL COMPANY

Mecca 2-8A2

SESE Section 8, T1S, R2W  
Bluebell - Altamont Field  
Duchesne Co., Utah

**CONFIDENTIAL**

EDWARD ENGINEERING  
Marjorie A. Pierce  
Geological Engineer

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- IV. Summary of Potential Productive Intervals  
Recommended for Perforation
- V. Drilling and Logging Summary
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- VII. Bit Record
- VIII. Mud Record
- IX. Memos Re: Recommended Perforations
- X. Distribution of Records
- XI. Drilltime Log

WELL SUMMARY - MECCA 2-8A2

OPERATOR: Pennzoil Company

LEASE: Mecca 2-8A2

LOCATION: Field: Bluebell-Altamont Field  
Legal: SESE Section 8, T1S, R2W  
660' FSL, 660' FEL  
County: Duchesne County, Utah

ELEVATION: Ground Level: 5961' Kelly Bushing: 5982'

SPUD DATE: 17 May 1989

CEASE DRILLING: 11 July 1989

TOTAL DEPTH: 14,615' Driller  
14,615' Steel Line Measure  
14,613' Logger  
14,615' Final Total Depth

CASING PROGRAM: 9 5/8" Surface Casing set at 4620'  
7" Casing set at 14,610'

MUD PROGRAM: Mud Company: MI Drilling Fluids Co.  
Mud Engineer: Kenny Bascom, Phil McClure  
Mud Type: Gel-Lime: surface - 300'  
Water: 300' - 4620'  
KCl-Water: 4620' - 10,550'  
Poly Plus: 10,550' - 14,615' T.D.

SAMPLE PROGRAM: Caught: 30' surface - 6,500'  
10' 6,500' - 14,615'  
Examined: 6,500' - 14,615' by mudloggers verified  
by wellsite geologist  
Mudlogging: Rocky Mountain Geo-Engineering  
24 hour - 2 man unit 6500'-10,581'  
12 hour - 1 man unit 10,581'-14,615'  
FID total gas detection  
FID Chromatography  
Mudloggers: Art Curtis, Peter Recks,  
Steve Thibodeaux

CONTRACTOR: Grace Rig No. 186  
Toolpushers: Charles Cruth, Kenny Cruth,  
Marvin Cachelin, Gene Oachs  
Drillers: W.C. Wilson, Jerry Johnson,  
Alvin Nielsen, B. Blanchard

ELECTRIC LOGGING: Schlumberger

Run 1: Engineer: Jeff Gebhart

Log Types: Dual Laterolog

4614'- 14,613'

Micro-SFL

6750'- 11,300'

Gamma Ray

surface- 14,613'

Compensated Neutron - Litho-

Density 6750'- 14,613'

Digital Sonic - SLA

4614'- 14,607'

Digital Sonic Waveforms

6700'- 14,607'

Formation Microscanner

selected intervals between

6900'- 11,400'

4-Arm Caliper

11,000'- 14,606'

RWA

6750'- 14,613'

WELLSITE SUPERVISOR: Danny Laman, W.M. Smith -"Smitty"  
John Moore

WELLSITE GEOLOGIST: Marjorie A. Pierce

## GEOLOGIC SUMMARY - MECCA 2-8A2

The Pennzoil Company Mecca 2-8A2 was drilled as a Wasatch test in the SESE of Section 9, T1S, R2W of Duchesne County, Utah. The Mecca 2-8A2 was drilled to a total depth of 14,615 feet, 15 feet below the projected T.D. of 14,600 feet. The extra footage was drilled to get below a good drilling break encountered just prior to reaching total depth. This new development well is a northeast offset to the recently drilled Pennzoil 4-17A2 Lamicq Urruty. This Mecca 2-8A2 well is surrounded by Wasatch and Green River producers.

The Mecca 2-8A2 penetrated 6,748 feet of the Uinta and Duchesne formations, followed by approximately 4,642 feet of Green River formation, and 3,225 feet into the Wasatch formation before reaching a total depth of 14,615 feet. No water flows were encountered at the Mecca 2-8A2 location while drilling through the Uinta and Duchesne formations. The hydrocarbon bearing intervals in the Bluebell-Altamont Field include the Green River and Wasatch formations which are both Tertiary in age. These formations represent a period of sedimentation dominated by a lacustrine type environment.

The Green River formation is comprised of lake type deposits including varved shales, marlstones, carbonates, and occasional sand. The "H", also referred to as the Douglas Creek member of the Green River, and "HI" intervals appear to be good time lines for correlation purposes. These two intervals consist of fractured carbonates and dark gray-black shales indicating a time when most of the basin was submerged by the lake waters. The Green River has been subdivided into three stages for completion purposes which may be altered at the operator's discretion: Stage V (6,748'-8,053'), the Upper Green River littoral facies with 582 feet of potential pay; Stage IV (8,053'-10,016'), the Upper Green River separated from the littoral facies by the Trona I with 567 feet of potential pay; and Stage III (10,016'-11,390'), the Lower Green River lacustrine facies with 792 feet of potential pay. Stages III, IV, and V are all normally pressured and a total of 1,941 feet or 42% of the Green River formation may be potentially productive. The Green River formation was drilled with water to a depth of 10,600 feet before switching the system to mud. The Green River shows in the Mecca 2-8A2 appear to be very good in comparison to other recently drilled Green River sequences.

The Wasatch formation was deposited when an influx of sediments from the Wasatch mountain range encroached the basin. Generally, this was a transitional type deposit dominated by red beds followed by a return to a more euxinic lacustrine environment and then back to the transitional red bed sequence. The second transitional red wedge was not penetrated by the Mecca 2-8A2, drilling ceased at a depth of 14,615 feet in the lacustrine facies of the Wasatch formation. The entire Wasatch

formation penetrated in the Mecca 2-8A2 was normally pressured. The well reached total depth of 14,615 feet with a maximum mud weight of 11.0#/gal. Intermediate casing was not necessary at this location. The Wasatch formation has been divided into two stages relative to the different lithofacies for completion purposes; Stage II (11,390'-13,350') the Wasatch 1st Red Wedge has 575 feet of potential pay; and Stage I (13,350'-14,615') the Wasatch lacustrine facies has 406 feet of potential pay. The Wasatch formation has a total of 981 feet of potential pay or 30% of total Wasatch section penetrated by the Mecca 2-8A2. None of the yellow-brown to yellow-green oil typically observed in the Wasatch formation was encountered at this location. The oil observed while drilling the Wasatch sequence was dark brown. Potential production from the Wasatch formation may be limited due to the lower pressures encountered at this location.

Summaries of the potential productive intervals recommended for perforation for Stage I, II, III, IV, and V follow the list of electric log tops. A copy of the memos sent to Gary Kornegay which accompanied the log panels regarding the recommended perforation schedules have been included at the end of this report. Please refer to the mud log provided by Rocky Mountain Geo-Engineering Co. for a detailed description of the samples which were examined and verified daily by the geologist and the mudloggers.

## ELECTRIC LOG TOPS - MECCA 2-8A2

Formation	Depth	Subsea	Structural Comparison to Lamicq Urruty 1-8A2
Green River	6748	- 766	108' high
Green River/Z	7394	-1412	43' low
Evacuation Creek	7530	-1548	74' low
Trona I	8053	-2071	27' low
Parachute Creek	8630	-2648	31' high
Mahogany Bench	8766	-2784	20' high
Green River/DJ	9466	-3484	200' low
Douglas Creek/H	10,016	-4034	10' high
Green River/HI	10,152	-4170	11' high
CP 70	10,914	-4932	46' high
Wasatch/ Top of Red Wedge	11,390	-5408	
Base of Red Wedge	13,350	-7368	
Wasatch/TAP Hi	not encountered		
Wasatch/200	13,674	-7692	117' high
Wasatch/215	14,003	-8021	129' high
Wasatch/216	14,142	-8160	131' high
Wasatch/TFL	14,464	-8482	122' high
Total Depth	14,615	-8633	

SUMMARY OF POTENTIAL PRODUCTIVE INTERVALS RECOMMENDED FOR PERFORATION

MECCA 2-8A2

STAGE I - Wasatch Lacustrine Facies, normal pressured

E-Log Depth GR on DLL	Mudlog Depth	GR <60 API	RT >30 ohms	Total Gas units	Oil in Mud	Mud Wt. in/out	Sample Fract Show	Fract Show	Show Report	Net Ft. Pay	Quality	Remarks
Base of 1st Red Wedge, top of Wasatch Lacustrine Facies, normal pressured												
13,350	13,350											
13,358-64	13,358-64	yes	yes	2000-3800	yes	10.3/10.0	no				6	good
13,370-76	13,370-76	yes	yes	3200-5800	yes	10.3/10.0	no	fl			6	good
13,384-90	13,384-90	yes	yes	5800-4500	yes	10.3/9.9	no				6	fair
13,393-97	13,393-97	yes	yes	3500-3500	yes	10.5/10.4	no				4	poor
13,430-34	13,430-34	yes	yes	3300-4000	yes	10.5/10.2	no	fl			4	fair
13,442-50	13,442-50	yes	yes	4000-3200	yes	10.5/10.5	no	fl			8	fair
13,466-72	13,466-72	yes	yes	3200-3200	yes	10.5/10.5	no	fl			6	fair
13,488-500	13,488-500	yes	yes	2500-2500	yes	10.5/10.4	no				12	fair
13,506-14	13,506-14	yes	yes	2500-3000	yes	10.5/10.3	no				8	fair
13,520-36	13,520-36	yes	yes	3100-3100	yes	10.5/10.3	no				16	fair
13,548-60	13,548-60	some	no	2800-4800	yes	10.5/10.5	yes	fl	#34		12	fair dk. brown oil
13,589-98	13,589-98	yes	yes	3100-3100	yes	10.5/10.5	no				9	poor
13,622-50	13,622-50	some	some	2000-10,560	yes	10.8/10.4	yes	fs,ft,fl	#35		28	v. good 15-20' flare
13,661-66	13,661-66	yes	yes	950-1200	yes	10.8/10.7	no				5	fair
13,674	13,674	Wasatch / CP 200										
13,678-86	13,678-86	yes	yes	800-720	yes	11.0/10.7	no	fl			8	fair
13,714-28	13,714-28	yes	yes	500-400	no	11.0/10.8	no	fl			14	fair
13,752-60	13,752-60	yes	yes	350-350	no	11.0/10.8	no	ft,fl			8	fair
13,796-800	13,796-800	yes	yes	200-300	no	11.0/10.9	no	fl			4	poor
13,918-40	13,918-40	some	yes	150-400	no	11.0/10.9	no	fl			22	poor
13,970-75	13,970-75	yes	yes	180-180	no	11.0/10.9	no	fl			5	poor
13,996-000	13,996-000	no	yes	180-180	no	11.0/10.9	no	fl			4	poor
14,003	14,003	Wasatch / CP 215										
14,006-16	14,006-16	yes	yes	180-220	no	11.0/11.0	no	fl			10	poor
14,022-32	14,022-32	no	yes	200-200	no	11.0/11.0	no				10	poor
14,048-58	14,048-58	yes	yes	200-400	no	11.0/11.0	no				10	poor
14,078-86	14,078-86	yes	yes	150-320	no	11.0/11.0	no				8	poor
14,124-34	14,124-34	some	yes	200-200	no	11.0/11.0	no	fl			10	poor
14,142	14,142	Wasatch / CP 216										
14,150-58	14,150-58	some	yes	200-200	no	11.0/11.0	no	fl			8	poor
14,168-76	14,168-76	some	yes	200-200	no	11.0/11.0	no				8	poor
14,184-96	14,184-96	yes	yes	200-200	no	11.0/11.0	no				12	fair
14,218-36	14,218-36	yes	yes	100-400	no	11.0/10.9	no	fl			18	fair lost 29 bbls. mud
14,301-06	14,301-06	yes	yes	130-130	no	11.0/11.0	no	fl			5	poor
14,334-52	14,334-52	yes	some	130-820	no	11.0/10.9	no	ft,fl	#36		18	fair
14,374-82	14,374-82	yes	yes	580-580	no	11.0/10.9	no	fl			8	fair
14,424-46	14,424-46	some	some	400-2500	no	11.0/10.9	yes		#37		22	good
14,464	14,464	Wasatch / Three Fingered Lime										
14,468-506	14,468-506	some	some	1100-3360	no	11.0/10.9	yes	fl	#38		38	fair
14,524-40	14,524-40	some	some	3000-4000	no	11.0/10.5	no	fl			16	fair
14,570-80	14,570-80	N.L.	yes	2000-2400	no	11.0/10.6	no	ft,fl			10	fair
14,615	14,615	Total Depth										

STAGE I SUBTOTAL

406

SUMMARY OF POTENTIAL PRODUCTIVE INTERVALS RECOMMENDED FOR PERFORATION

MECCA 2-8A2

STAGE II - Wasatch Lower 1st Red Wedge, normal pressured

R-Log Depth GR on DIL	Mudlog Depth	GR <60 API	RT >30 ohms	Oil Total Gas units	in Mud	Mud Wt. in/out	Sample Show	Fract Show	Show Report	Net Ft. Pay	Quality	Remarks
11,390	11,390	Wasatch - Top of 1st Red Wedge										8-10' flare
11,440-56	11,457-73	yes	yes	4000-8000	yes	9.0/9.0	yes	fl	#22	16	good	17' depth corr.
11,488-512	11,488-512	yes	yes	5800-5800	yes	9.0/9.0	no			24	fair	3' flare
11,540-54	11,540-54	yes	some	8000-9950	yes	9.0/9.0	no			14	fair	bypass gas buster
11,564-76	11,564-76	yes	yes	9000-7500	yes	9.0/9.1	no			12	fair	
11,612-18	11,612-18	yes	yes	4900-5800	yes	9.0/8.7	no	fl		6	fair	
11,642-52	11,642-52	yes	some	5000-6400	yes	9.0/8.8	yes	fl	#23	10	fair	
11,662-68	11,662-68	yes	yes	4400-4400	yes	9.0/8.8	no			6	poor	
11,714-22	11,714-22	yes	yes	4300-9280	yes	9.0/8.8	yes	fl	#24	8	good	
11,738-56	11,738-56	yes	yes	4900-3000	no	9.0/8.8	no	fl		18	fair	mud level lowered
11,783-87	11,783-87	yes	yes	NR	no	9.0/8.8	no			4	poor	
11,800-06	11,800-06	no	yes	3800-3800	no	9.0/8.8	no	fs,fl		6	fair	
11,958-68	11,958-68	yes	yes	3200-5400	no	9.0/8.7	yes			10	fair	
12,014-22	12,014-22	yes	yes	5400-8960	yes	9.0/8.8	yes		#25	8	good	
12,052-58	12,052-58	yes	some	NR	yes	9.0/8.8	no			6	poor	trip - NR
12,092-102	12,092-102	yes	some	4800-4800	yes	9.2/8.9	no	fl		16	poor	
12,156-66	12,156-66	yes	yes	5800-5800	yes	9.2/8.9	yes	fl		10	fair	
12,176-80	12,176-80	yes	yes	5800-5800	yes	9.2/8.9	no	fl		4	fair	
12,184-94	12,184-94	yes	yes	4800-4800	yes	9.2/8.9	no	fl		10	fair	
12,224-46	12,224-46	yes	yes	5000-7040	yes	9.2/8.9	yes	fl	#26	22	good	
12,254-64	12,254-64	yes	yes	6000-6000	yes	9.2/8.9	no			10	fair	
12,290-302	12,290-302	yes	some	2300-4800	yes	9.2/9.2	yes		#27	12	fair	2' flare
12,312-18	12,312-18	yes	yes	5600-5600	yes	9.2/9.2	yes			6	fair	bypass gas buster
12,324-54	12,324-54	yes	yes	5200-6000	yes	9.3/9.3	yes	fl		30	fair	
12,370-82	12,370-82	yes	yes	5500-9600	yes	9.2/9.1	yes	fl	#28	12	good	
12,398-402	12,398-402	yes	yes	5500-5500	yes	9.2/9.2	no	fl		4	poor	
12,428-36	12,428-36	yes	yes	4200-4200	yes	9.2/9.2	no			8	fair	
12,444-64	12,444-64	yes	some	4500-6000	yes	9.2/9.1	yes	fl	#29	20	good	5-7' flare
12,489-98	12,489-98	yes	yes	3200-5800	yes	9.2/9.2	yes		#30	9	good	5-7' flare
12,532-48	12,532-48	yes	yes	1500-2600	yes	9.5/9.4	yes			16	good	6' flare
12,562-70	12,562-70	yes	yes	2100-2100	yes	9.5/9.5	yes	fl		8	poor	4' flare
12,600-18	12,600-18	yes	yes	2100-4640	yes	9.7/9.6	yes	fl	#31	18	good	4' flare
12,630-72	12,630-72	yes	some	2300-5600	yes	9.7/9.4	yes	fl	#32	42	good	3-4' flare
12,686-718	12,686-718	yes	some	6400-8000	yes	10.1/9.2	yes	fl		32	fair	bypass gas buster
12,739-50	12,739-50	yes	some	6200-6200	yes	10.2/9.1	no	fl		11	fair	
12,774-80	12,774-80	yes	yes	7400-7400	yes	10.2/9.4	no	fl		6	fair	
12,790-802	12,790-802	yes	yes	7400-7400	yes	10.4/9.5	no	fl		12	poor	
12,828-50	12,828-50	yes	some	3100-6400	yes	10.3/9.6	yes	fl		22	fair	
12,864-78	12,864-78	yes	some	6400-6400	yes	10.3/9.9	yes	fl		14	fair	
12,890-98	12,890-98	yes	yes	5800-5800	yes	10.3/9.7	no			8	fair	
12,906-16	12,906-16	yes	some	5200-6400	yes	10.3/9.7	no	fl		10	fair	
12,920-23	12,920-23	yes	yes	6400-6400	yes	10.3/9.8	no			3	poor	trip - no bottoms up
12,970-76	12,970-76	yes	yes	1800-7400	yes	10.3/10.3	no			6	poor	lower agitator
12,998-006	12,998-006	yes	yes	6800-6800	yes	10.3/10.3	no	fl		8	fair	
13,160-64	13,160-64	yes	yes	6300-6300	yes	10.3/9.6	no	fl		4	poor	
13,174-78	13,174-78	yes	yes	1900-1900	yes	10.3/9.6	no	fl		4	poor	

SUMMARY OF POTENTIAL PRODUCTIVE INTERVALS RECOMMENDED FOR PERFORATION

MECCA 2-8A2

STAGE II - Wasatch Lower 1st Bed Wedge, normal pressured

K-Log Depth GE on DIL	Mudlog Depth	GR <60 API	RT >30 ohms	Total Gas units	Oil in Mud	Mud Wt. in/out	Sample Fract Show	Fract Show	Report	Net		Remarks
										Ft.	Quality	
13,184-202	13,184-202	yes	yes	1900-8000	yes	10.3/9.9	yes	ft,fl	#33	18	good	
13,230-36	13,230-36	yes	yes	7000-5000	yes	10.3/9.9	no	fl		6	good	
13,244-50	13,244-50	yes	yes	3200-3200	yes	10.3/10.1	no	fl		6	fair	
13,266-72	13,266-72	yes	yes	3200-3200	yes	10.3/10.0	no	fl		6	fair	
STAGE II SUBTOTAL										575		

SUMMARY OF POTENTIAL PRODUCTIVE INTERVALS RECOMMENDED FOR PERFORATION

MROCA 2-8A2

STAGE III - Green River Lacustrine, normal pressured (includes "H" & "HI")

B-Log Depth	Mudlog	GR	RT	Total Gas	Oil	Mud Wt.	Sample Fract	Show	Net	Remarks
GR on DLL	Depth	<60	>30	units	in	in/out	Show	Report	Ft. Quality	
		API	ohms		Mud				Pay	
10,016	10,016	Green River - Douglas Creek "H"								
10,028-48	10,028-48	yes	yes	1500-1500	no	Drig.	yes	fl	20	good possible gas zone
10,058-78	10,058-78	yes	yes	1700-2000	no	w/water	yes		20	good 3-4' flare
10,105-09	10,105-09	yes	yes	2000-2000	no		yes		4	poor 3-4' flare
10,120-46	10,120-46	no	some	1500-2880	no		yes	ft,fl	#10	26 poor 3-4' flare
10,152	10,152	Green River - "HI"								
10,152-78	10,152-78	yes	yes	2000-2200	no	Drig.	yes	fl	26	fair 3' flare
10,186-92	10,186-92	yes	yes	3800-3900	no	w/water	yes	ft.fl	6	fair bypass gas buster
10,208-16	10,208-16	yes	yes	3800-3900	no		no	fl	8	fair bypass gas buster
10,236-42	10,236-42	yes	yes	1800-1800	no		no		6	poor 2-3' flare
10,254-80	10,254-80	yes	yes	2000-2500	no		no	fl	26	fair 2-3' flare
10,322-30	10,322-30	yes	yes	2000-1500	no		no	fl	8	fair 3-5' flare
10,412-28	10,412-28	yes	yes	1600-1300	no		no		16	poor possible gas zone
10,438-82	10,438-82	yes	yes	1200-900	no		no	fl	44	good 4-5' flare
10,520-26	10,520-26	yes	yes	800-900	no		no		6	fair 4-5' flare
10,552-600	10,552-600	some	yes	950-1280	yes		yes		#11	48 fair 4-5' flare
10,612-88	10,612-88	some	yes	80-320	no	9.2/9.4	yes	fl	#12-#13	76 fair possible gas zone
10,704-40	10,704-40	some	yes	80-250	no	9.1/9.3	yes	fl	#14	36 fair possible gas zone
10,752-62	10,752-62	some	yes	80-150	no	9.1/9.3	yes	fl	10	fair possible gas zone
10,780-850	10,780-850	some	yes	100-360	no	9.1/9.2	yes	fl	#15	70 fair possible gas zone
10,914	10,914	Green River - CP 70								
10,864-956	10,864-956	some	yes	100-1640	yes	8.9/8.5	yes	fl	#16	92 good 8-10' flare w/oil
11,048-60	11,048-60	yes	yes	150-200	no	8.9/8.9	no	fl	12	fair bypass gas buster
11,070-140	11,070-140	some	yes	200-1200	no	8.9/8.9	no	fs,fl	#17	70 good bypass gas buster
11,170-208	11,170-208	some	some	180-780	no	8.9/8.9	some	fs,fl	#18	38 fair trip gas 5-8' flare
11,216-40	11,216-40	yes	yes	800-320	yes	8.9/8.9	yes	fl	#19	24 fair oil from trip gas
11,258-302	11,258-302	some	yes	400-1920	no	9.0/9.0	yes	ft,fl	#20	44 fair
11,312-20	11,312-20	yes	yes	400-400	no	9.0/9.0	no	fl	8	fair
11,328-76	11,328-76	yes	yes	400-10,240	yes	9.0/9.0	yes	fs,ft,f	#21	48 v.good 8' flare w/oil
STAGE III SUBTOTAL									792	

SUMMARY OF POTENTIAL PRODUCTIVE INTERVALS RECOMMENDED FOR PERFORATION

MECCA 2-8A2

STAGE IV - Green River, normal pressured (below Trona I)

E-Log Depth GR on DLL	Mudlog Depth	GR <60 API	RT >30 ohms	Total Gas units	Oil in Mud	Mud Wt. in/out	Sample Show	Fract Show	Net Pt. Pay	Quality	Remarks
8053	8053	Green River - Trona I									
8150-64	8150-64	yes	yes	500-500	no	Drlg.	no	fl	14	poor	
8172-88	8172-88	yes	yes	500-820	no	w/water	no	fl	16	fair	
8196-202	8196-202	yes	yes	500-600	no		no		6	poor	
8258-66	8258-66	yes	yes	550-550	no		no		8	poor	
8508-14	8508-14	yes	yes	300-300	no		no		6	poor	
8546-52	8546-52	yes	yes	300-300	no		no		6	poor	
8562-74	8562-74	yes	yes	300-300	no		no		12	poor	
8630	8630	Green River - Parachute Creek									
8636-710	8636-710	yes	yes	400-500	no	Drlg.	no	fl	74	poor	2-3' flare
8750-58	8750-58	yes	yes	350-350	no	w/water	no	fl	8	poor	2-3' flare
8766	8766	Green River - Mahogany Bench									
8884-87	8884-87	yes	yes	325-400	no	Drlg.	yes	fl	3	poor	3-5' flare
8918-30	8918-30	yes	yes	400-400	no	w/water	yes	fl	12	poor	3-5' flare
8960-76	8960-76	yes	yes	500-1800	no		yes	fl	#8 16	fair	5-8' flare
8988-9010	8988-9010	yes	yes	600-1600	no		yes	fl	#8 22	fair	5-8' flare
9044-9158	9044-9158	yes	yes	380-2000	yes		yes	fl	#9 114	good	5-7' flare
9466	9466	Green River - "DJ"									
9300-9512	9300-9512	yes	yes	800-300	some	Drlg.	no	fl	212	poor	some trip gas
9572-94	9572-94	yes	yes	600-800	no	w/water	no	fl	22	poor	3' flare
9744-60	9744-60	yes	yes	500-680	no		no	fl	16	poor	3' flare
STAGE IV SUBTOTAL									567		

SUMMARY OF POTENTIAL PRODUCTIVE INTERVALS RECOMMENDED FOR PERFORATION

MECCA 2-8A2

STAGE V - Green River Transition, littoral, normal pressured

R-Log Depth	Mudlog	GR	RT	Total Gas	Oil	Mud Wt.	Sample Fract	Show	Net	Remarks
GR on DLL	Depth	<60	>30	units	in	in/out	Show	Report	Pt. Pay	Quality
6748	6748	Top of Green River, normal pressured								
6780-818	6780-818	yes	yes	2-10	no	Drlg.	no		38	poor
6832-54	6832-54	yes	yes	4-12	no	w/water	no		22	poor
6898-958	6898-958	yes	yes	4-9	no		no		60	poor
7096	7096	Green River - Tg2								
6974-7214	6974-7214	some	yes	3-1280	some	Drlg.	yes	#1, #2, #3	240	good
7234-330	7234-330	some	yes	800-7200	yes	w/water	yes	#4, #5	96	fair
7358-84	7358-84	yes	yes	5200-4000	no		no		26	poor
7394	7394	Green River - Z								
7400-32	7400-32	yes	yes	5000-6400	no	Drlg.	yes		32	fair
7454-76	7454-76	some	yes	5000-6000	yes	w/water	yes	#6	22	fair 5' flare
7510-34	7510-34	no	some	2000-7040	yes		yes	fl #7	24	good 6-10' flare
7530	7530	Green River - Evacuation Creek								
7750-72	7750-72	some	yes	400-1000	no	Drlg.	no	fl	22	fair
w/water										
STAGE V SUBTOTAL									582	

## DRILLING AND LOGGING SUMMARY - MECCA 2-8A2

The Mecca 2-8A2 was spud on May 17, 19898 and Grace Rig No. 186 started drilling a 12-1/4" hole. No water flows were encountered in the upper portion of the hole. 9-5/8" surface casing was set and cemented at 4,620 feet and the drilling of a 8-3/4" hole with water resumed. It was not necessary to mud up until a depth of 10,600 feet was reached. A bad string of drill pipe led to many trips for pressure loss due to holes in the pipe as well as a fishing job just after drilling out from under the surface casing at a depth of 5543 feet. A depth of 12,500 feet was attained at 3:00 A.M. MST, at which point the rig contractor switched from a footage contract to a daily rate basis. Abnormal pressure was not encountered at this location, the Mecca 2-8A2 was drilled to a total depth of 14,615 feet with a maximum mud weight of 11.0#/gal. After logging the well at T.D., 5-1/2" production casing was set at 14,610 feet and cemented in three stages. The total mud lost during the drilling and setting casing in the Mecca 2-8A2 was estimated at 1610 barrels.

Schlumberger logged the open hole after the total depth of 14,615 feet was reached. A combination tool which included the Dual Laterolog with Micro-SFL and the Compensated Neutron-Lithodensity was run first. Very rough hole from a depth of 11,300 feet to T.D. made it impossible to run the combination tool and recover good data. The rough hole was caused by fracturing and washouts which were particularly severe in the Wasatch Red Wedge. It was necessary to make two separate passes with the combination tool to retrieve the required information. The Compensated Neutron-Lithodensity was logged first and a second pass was made to log the Dual Laterolog. The Micro-SFL tool was opened only above 11,300 feet since rough hole was causing the tool to stick. After these two logs were completed the hole was circulated and conditioned prior to running the sonic log. The Digital Sonic Log was run from T.D. (14,615') to surface casing (4614') with Digital Sonic Waveforms from T.D. to 6700 feet. After the sonic log was completed successfully the hole was circulated and conditioned before logging the FMS. The Formation Microscanner with a Dipmeter was logged over selected intervals between 6900 feet and 11,400 feet. A 4-arm caliper log was then run from T.D. to 11,000 feet in order to obtain better data on the hole volume for the purpose of calculating the amount of cement that would be required to cement the casing. This extra log was necessary since we were unable to get a caliper log with the Dual Laterolog over the lower portion of the hole as mentioned above. 5-1/2" production liner was set and cemented at the total depth of 14,610' and the well is currently being completed.

DAILY LOG OF OPERATIONS FOR MECCA 2-8A2  
(6:00 AM depths)

DATE	DAY	DEPTH	FOOTAGE	OPERATIONS
*****				
17-May-89				Spud 8:00 AM MST 5-17-89.
18-May-89	1	992	873	Mix spud mud; drlg. #1.
19-May-89	2	1298	306	Trip for bit #2; drlg. #2; trip for bit #3; drlg. #3.
20-May-89	3	1746	448	Drlg. #3; trip for bit #4 (RR#2); drlg. #4; lost 1500 bbls. of water.
21-May-89	4	2615	869	Drlg. #4; lost 6500 bbls. of water total while drlg.
22-May-89	5	3450	835	Drlg. #4.
23-May-89	6	4010	560	Drlg. #4; trip for bit #5; drlg. #5; lost 9000 bbls. of water total.
24-May-89	7	4520	510	Drlg. #5;
25-May-89	8	4620	100	Trip for bit #6 (RR#2); drlg. #6; circ. & cond.; run 9 5/8" casing; cement csg.
26-May-89	9	4620	0	9 5/8" csg. set & cemented @ 4620'; WOC; install BOP.
27-May-89	10	4620	0	Test BOP; test csg.; drlg. 8 3/4" hole w/ bit #7.
28-May-89	11	5070	450	Drill out cement & test formation; drlg. #7.
29-May-89	12	5543	473	Drlg. #7; run pressure test; TOOH for fish; lost 25,000#.
30-May-89	13	5745	202	Recover fish; magnaflux DC; TIH; drlg. #7.
31-May-89	14	6272	527	Drlg. #7.
01-Jun-89	15	6624	352	Drlg. #7; trip for bit #8; drlg. #8.
02-Jun-89	16	7061	437	Drlg. #8.
03-Jun-89	17	7430	369	Drlg. #8; circ. samples.
04-Jun-89	18	7760	330	Drlg. #8; trip for hole in pipe; TIH w/ bit #9; circ. gas thru choke; drlg. #9.
05-Jun-89	19	7812	52	Drlg. #9; trip for hole in pipe; circ. gas thru choke; drlg. #9; trip for bit #10.
06-Jun-89	20	8078	266	TIH w/ bit #10; circ. gas on choke; drlg. #10; trip for hole in pipe.
07-Jun-89	21	8215	137	TIH and circ. gas thru choke; drlg. #10; trip for bit #11; circ. gas on choke; drlg. #11.
08-Jun-89	22	8716	501	Drlg. #11.
09-Jun-89	23	9122	406	Drlg. #11.
10-Jun-89	24	9290	168	Drlg. #11; trip for bit #12; circ. gas thru choke; wash & ream 60' to bottom; drlg. #12; trip for hole in pipe; drlg. #12.

DAILY LOG OF OPERATIONS FOR MECCA 2-8A2  
(6:00 AM depths)

DATE	DAY	DEPTH	FOOTAGE	OPERATIONS
*****				
11-Jun-89	25	9540	250	Drlg. #12; trip for hole in pipe; wash to bottom; drlg. #12; trip for bit #13.
12-Jun-89	26	9745	205	Cut drill line; circ. gas on choke; wash 20' to bottom; drlg. #13.
13-Jun-89	27	10155	410	Drlg. #13.
14-Jun-89	28	10545	390	Drlg. #13.
15-Jun-89	29	10612	67	Drlg. #13; displace hole w/9.6# mud; trip for bit #14; LD 66 jts. DP; PU 67 jts. DP; wash 70' to bottom; drlg. #14.
16-Jun-89	30	10885	273	Drlg. #14; lost 82 bbls. of mud @ 10,745'.
17-Jun-89	31	10988	103	Drlg. #14; trip for bit #15; magnaflux BHA; TIH w/bit #15; wash 30' to bottom; drlg #15; lost 276 bbls. of mud @ 10,900'; lost 150 bbls. of mud by seepage.
18-Jun-89	32	11205	217	Drlg. #15; TOOH to change drill string; lost 112 bbls. of mud.
19-Jun-89	33	11285	80	Finish LD grade E drill pipe; TIH w/bit #15 and PU 4 1/2" DP; wash 45' to bottom; drlg. #15; lost 33 bbls. of mud.
20-Jun-89	34	11475	190	Drlg. #15; trip for bit #16; lost 71 bbls. of mud by seepage.
21-Jun-89	35	11596	121	SLM 17'; depth corrected from 14,475 to 14,458'; cut drill line; drlg. #16.
22-Jun-89	36	11825	229	Drlg. #16.
23-Jun-89	37	12047	222	Drlg. #16.
24-Jun-89	38	12180	133	Drlg. #16; trip for hole in pipe; wash 40' to bottom; drlg. #17.
25-Jun-89	39	12215	35	Drlg. #17; trip for bit #18; test BOP; TIH; drlg. #18.
26-Jun-89	40	12330	115	Drlg. #18; trip for bit #19; wash 40' to bottom; drlg. #19. lost 89 bbls. of mud.
27-Jun-89	41	12509	179	Drlg. #19; trip for hole in pipe. Grace went on dayrate @ 3:00 AM 6-27-89.
28-Jun-89	42	12599	90	TOOH; PU shock sub; TIH w/bit #20; wash 28' to bottom; drlg #20; circ. on choke for bottoms up gas; recovered 40 bbls. oil; drlg. #20.
29-Jun-89	43	12755	156	Repair pump #1; drlg. #20; lost 27 bbls. of mud.
30-Jun-89	44	12921	166	Drlg. #20.

DAILY LOG OF OPERATIONS FOR MECCA 2-8A2  
(6:00 AM depths)

DATE	DAY	DEPTH	FOOTAGE	OPERATIONS
*****				
01-Jul-89	45	12956	35	Drlg. #20; trip for hole in pipe; magnaflux BHA; TIH w/bit #21; drlg. #21.
02-Jul-89	46	13128	172	Drlg. #21.
03-Jul-89	47	13212	84	Drlg. #21; trip for bit #22; wash 30' to bottom; work thru fracture @ 13,198'; drlg. #22.
04-Jul-89	48	13389	177	Drlg. #22.
05-Jul-89	49	13548	159	Drlg. #22; raise mud wt. from 10.3 to 10.5 due to oil in mud.
06-Jul-89	50	13628	80	Drlg. #22; trip for bit #23.
07-Jul-89	51	13790	162	TIH w/ bit #23; wash to bottom; drlg. #23; circ. out trip gas; drlg. #23; lost 150 bbls. of mud.
08-Jul-89	52	14018	228	Drlg. #23.
09-Jul-89	53	14240	222	Drlg. #23.
10-Jul-89	54	14427	187	Drlg. #23; lost 42 bbls. of mud.
11-Jul-89	55	14504	77	Drlg. #23; trip for bit #24; break circ., lost 200 bbls. of mud; wash 49' to bottom; drlg. #24.
12-Jul-89	56	14615	111	Drlg. #24; reached T.D. @ 7:00 PM 7-11-89; circ. bottoms up; short trip; circ. & cond. for logs; lost 50 bbls. of mud.
13-Jul-89	57	14615	0	TOOH; RU Schlumberger; run DLL & FDC/CNL; TIH.
14-Jul-89	58	14615	0	TIH; break circ. @ 4600', 8000', & 12,000'; circ. & cond. mud; TOOH; run Digital Sonic log w/ fullwaves.
15-Jul-89	59	14615	0	Finish sonic log; TIH; break circ. @ 4600', 8000', & 12,000'; cut drlg. line; circ. & cond. mud; TOOH; run FMS/Dipmeter; lost 30 bbls. of mud.
16-Jul-89	60	14615	0	Finish FMS/Dipmeter; run 4-arm caliper log; TIH break circ. @ 4600', 8000', & 12,000'; circ. & cond. mud; lost 20 bbls. of mud.
17-Jul-89	61	14615	0	Circ. & cond. for casing; laydown DP & DC; run 7" casing @ 2-3 min. per jt.; break circ. @ 1850' & 3024'; lost 11 bbls. of mud.
18-Jul-89	62	14615	0	Run 7" casing @ 4 min./jt.; break circ. @ 3650', 4223', 5330', 6232', 7052', & 8241'.
19-Jul-89	63	14615	0	Finish running 7" casing; break circ. @ 9553', 9675', 10,373', 11,688', 12,664', 13,472', 13,677',

DAILY LOG OF OPERATIONS FOR MECCA 2-8A2  
 (6:00 AM depths)

DATE	DAY	DEPTH	FOOTAGE	OPERATIONS
*****				
				13,882', 14,096', & 14,453'; wash 162' to bottom, tag fill @ 14,560' wash 55' to bottom; lost 43 bbls. of mud; total mud loss for the well is 1610 bbls. of mud.
20-Jul-89	64	14615	0	Circ. & cond. mud for cement; cement 1st stage.
21-Jul-89	65	14615	0	WOC; cement 2nd stage; WOC; cement 3rd stage; 7" casing set & cemented @ 14,610'.

Geologist released 7-16-89.  
 Mudloggers released 7-13-89.

BIT RECORD FOR NBCCA 2-8A2

BIT NO.	SIZE	MAKE	TYPE	SERIAL NOZZLES	SERIAL NO.	DEPTH		HRS.	FT/HR	ACC. HRS.	WOB 1000#	RPM	PUMP PRESS	SPM	MUD	
						OUT	FBRT								WT.	VIS.
1	12 1/4"	HTC	OSC1G	16-16-16	RR	992	873	19.25	45.4	19.25	30/40	75/120	1300	114	water	
2	12 1/4"	REED	HP51	16-16-16	BB2314	1,179	187	8	23.4	27.25	10	114	1300	114	water	
3	12 1/4"	SEC	S44	16-16-16	841001	1,429	250	14.5	17.2	41.75	10/20	120	1300	114	water	
4	12 1/4"	REED	HP51	16-16-16	BB2314	3,527	2098	56.5	37.1	98.25	10/55	75	1300	114	water	
5	12 1/4"	HTC	J22	18-18-18	WX339	4,520	993	39	25.5	137.25	50/55	75	1600	114	water	
6	12 1/4"	REED	HP51	16-16-16	BB2314	4,620	100	5.5	18.2	142.75	50/55	75	1800	114	water	
7	8 3/4"	HTC	ATJ22	12-12-B	B87HP	6,354	1734	69.25	25.0	212	55	75	1700	104	8.7	26
8	8 3/4"	HTC	ATJ33C	12-12-B	PJ025	7,551	1197	61	19.6	273	55	75	1950	119	8.7	26
9	8 3/4"	HTC	J33	12-12-B	LB2703	7,812	261	14.5	18.0	287.5	55	75	1950	119	8.5	26
10	8 3/4"	HTC	ATJ33	12-13-B	D93HL	8,132	320	19	16.8	306.5	55	75	2000	118	8.5	26
11	8 3/4"	HTC	ATJ44	12-13-B	B67HW	9,245	1113	57.5	19.4	364	50	75	2000	120	8.6	26
12	8 3/4"	HTC	ATJ44	12-13-B	PH375	9,498	253	14	18.1	378	40/55	78	2000	120	8.5	26
13	8 3/4"	HTC	ATJ55R	12-13-B	RF938	10,581	1083	63	17.2	441	50	57	1900	119	9.8	36
14	8 3/4"	SEC	M84F	14-14-B	901532	10,912	331	31	10.7	472	50/55	57	1700	112	8.9	34
15	8 3/4"	HTC	ATJ44C	14-14-B	RC389	11,458	546	57	9.6	529	65/60	60/65	1900	119	9.0	35
16	8 3/4"	HTC	ATJ33	14-14-B	D90HL	12,059	601	61	9.9	590	55	68	1900	119	9.2	38
17	8 3/4"	HTC	ATJ22	14-14-B	B20HP	12,199	140	17	8.2	607	35/55	65	1900	119	9.2	35
18	8 3/4"	HTC	ATJ33	14-14-B	D41HL	12,266	67	8	8.4	615	40	65	1800	112	9.2	35
19	8 3/4"	HTC	ATJ44C	14-14-B	B29HW	12,509	243	30	8.1	645	55	65	1950	119	9.2	38
20	8 3/4"	HTC	ATJ44	13-13-B	B56HW	12,928	419	59	7.1	704	55	55	2100	106	10.3	39
21	8 3/4"	HTC	ATJ33	13-13-B	D75HL	13,131	203	28.5	7.1	732.5	50/55	55	2000	110	10.3	37
22	8 3/4"	HTC	ATJ33	12-12-B	RF746	13,628	497	70	7.1	802.5	55	53	2000	110	10.5	36
23	8 3/4"	HTC	ATJ22	13-13-B	B12HS	14,435	807	92	8.8	894.5	50/55	53	2300	110	11.0	45
24	8 3/4"	HTC	ATJ22	13-13-B	B71HN	14,615	180	21.5	8.4	916	55	53	2200	104	11.0	41

MUD RECORD FOR MECCA 2-8A2

DATE	DEPTH	MUD		WATER				OIL/		pH	Cl	Ca	DAILY	CUMULATIVE
		WEIGHT	VIS.	LOSS	PV	YP	GELS	SOLIDS	WATER				COST	COST
17-May-89	150	8.5	36		10	15	5/10	1.3	0/99.7	10.5	1,000	80	\$415	\$1,846
18-May-89	992		No Check											
19-May-89	1,360	8.3	26	water						10.0	500	80	\$1,515	\$3,361
20-May-89	1,746		No Check										\$0	\$3,361
21-May-89	2,615		No Check										\$0	\$3,361
22-May-89	3,547	8.3	26	water						11.0	200	160	\$1,286	\$7,958
23-May-89	4,010		No Check										\$0	\$7,958
24-May-89	4,520	8.3	26	water						10.5	200	80	\$1,837	\$9,795
25-May-89	4,620		No Check										\$0	\$9,795
26-May-89	4,620	8.3	26	water						11.0	300	240	\$1,351	\$11,146
27-May-89	4,634	8.4	26	water						11.0	10,000	240	\$0	\$11,146
28-May-89	5,130	8.7	26	water						11.5	25,000	320	\$72	\$11,218
29-May-89	5,543	8.7	26	water						11.5	23,000	320	\$130	\$11,354
30-May-89	5,832	8.7	26	water						11.5	28,000	320	\$0	\$11,354
31-May-89	6,354	8.7	26	water						11.0	29,000	400	\$25	\$11,379
01-Jun-89	6,700	8.7	26	water						11.0	27,000	400	\$69	\$11,448
02-Jun-89	7,072	8.7	26	water						11.0	28,000	400	\$229	\$11,677
03-Jun-89	7,475	8.6	26	water						10.5	23,000	400	\$8,072	\$19,749
04-Jun-89	7,794	8.5	26	water						10.5	22,000	400	\$531	\$20,280
05-Jun-89	7,812	8.5	26	water						10.0	14,000	400	\$719	\$20,999
06-Jun-89	8,078	8.5	26	water						10.0	12,000	400	\$85	\$21,084
07-Jun-89	8,288	8.5	26	water						11.5	12,500	400	\$807	\$21,891
08-Jun-89	8,748	8.5	26	water						11.5	12,500	400	\$45	\$21,936
09-Jun-89	9,183	8.5	26	water						11.0	12,500	400	\$67	\$22,003
10-Jun-89	9,358	8.5	26	water						11.0	12,500	400	\$11	\$22,014
11-Jun-89	9,540	8.5	26	water					0/99.5	11.0	13,000	400	\$51	\$22,065
12-Jun-89	9,810	8.5	26	water					0/99.5	11.0	13,000	400	\$709	\$22,774
13-Jun-89	10,250	8.5	26	water					0/99.5	11.0	13,000	400	\$19	\$22,793
14-Jun-89	10,581	9.1	39	18.0	12	7	2/9	5.1	0/94.9	9.0	11,000	40	\$2,022	\$24,815
15-Jun-89	10,635	9.1	32	22.0	7	4	2/10	5.2	0/94.8	9.0	9,200	40	\$1,094	\$25,909
16-Jun-89	10,910	8.9	33	14.0	8	4	2/6	4.3	0/95.7	9.0	6,000	40	\$2,035	\$27,944
17-Jun-89	11,025	8.9	32	12.4	8	4	2/4	4.3	0/95.7	9.0	3,500	40	\$2,328	\$30,272
18-Jun-89	11,205	8.9	31	12.0	5	3	2/3	4.3	0/95.7	8.5	5,500	100	\$687	\$30,959
19-Jun-89	11,315	9.0	34	14.0	7	5	2/8	5.0	tr/95.0	9.0	7,000	100	\$1,090	\$32,049
20-Jun-89	11,475	9.0	35	14.0	6	6	2/8	5.0	0/95.0	9.5	8,000	120	\$450	\$32,499
21-Jun-89	11,624	9.1	36	14.0	8	6	2/9	5.8	tr/94.2	9.0	6,000	120	\$3,373	\$35,872
22-Jun-89	11,858	9.0	38	16.0	9	8	5/15	5.0	2/95.0	9.0	6,000	120	\$1,309	\$37,181
23-Jun-89	12,057	9.0	36	13.6	8	5	2/10	5.0	0/95.0	9.0	11,000	100	\$1,184	\$38,365
24-Jun-89	12,193	9.2	35	11.0	9	4	2/7	6.5	1/92.5	10.5	6,000	80	\$1,039	\$39,404
25-Jun-89	12,240	9.0	32	13.5	4	3	2/4	5.0	0/95.0	10.0	5,500	80	\$737	\$40,141
26-Jun-89	12,350	9.2	34	12.0	9	4	2/9	6.5	1/93.5	10.0	6,000	40	\$074	\$40,815
27-Jun-89	12,509	9.3	37	10.0	10	8	2/7	7.3	3/89.7	9.0	6,500	40	\$1,182	\$41,997
28-Jun-89	12,604	9.6	37	10.0	11	7	2/8	9.5	4/86.5	9.0	6,000	80	\$3,573	\$45,570
29-Jun-89	12,780	10.2	38	11.2	12	8	2/10	10.0	4/86.0	9.0	6,500	100	\$1,567	\$47,137
30-Jun-89	12,932	10.3	39	12.0	13	7	3/12	10.0	3/87.0	10.0	6,800	100	\$6,403	\$53,540
01-Jul-89	12,970	10.3	39	12.0	13	7	3/10	10.0	6/84.0	10.0	6,800	80	\$149	\$53,689
02-Jul-89	13,133	10.3	37	12.0	14	5	2/11	10.0	3/87.0	10.5	6,000	40	\$1,383	\$55,072
03-Jul-89	13,220	10.3	37	12.0	14	5	2/11	10.0	1/89.0	10.5	6,000	40	\$6,279	\$61,351
04-Jul-89	13,400	10.3	35	11.4	11	4	2/10	10.0	tr/90.0	10.0	5,800	40	\$1,660	\$63,011
05-Jul-89	13,560	10.5	36	10.5	11	4	2/8	10.0	tr/90.0	10.0	6,000	60	\$4,314	\$67,325

MUD RECORD FOR MECCA 2-8A2

DATE	DEPTH	MUD		WATER				SOLIDS	OIL/		pH	Cl	Ca	DAILY COST	CUMULATIVE COST
		WRIGHT	VIS.	LOSS	PV	YP	GELS		WATER						
06-Jul-89	13,628	10.5	38	9.6	11	6	2/4	10.0	tr/90.0	10.0	6,000	80	\$5,780	\$73,105	
07-Jul-89	13,806	11.0	40	9.2	13	10	2/7	12.0	tr/90.0	9.5	6,000	100	\$7,149	\$80,254	
08-Jul-89	14,032	11.0	41	8.8	16	11	2/18	14.0	2/84.0	9.0	6,000	80	\$3,959	\$84,213	
09-Jul-89	14,250	11.0	40	9.5	16	10	3/12	14.0	3/83.0	10.0	6,000	60	\$1,214	\$85,427	
10-Jul-89	14,436	11.0	45	9.0	18	12	2/16	14.0	2/84.0	10.0	6,000	40	\$3,895	\$89,322	
11-Jul-89	14,524	10.9	43	10.2	14	15	4/14	9.0	2/89.0	10.0	7,000	100	\$6,664	\$95,986	
12-Jul-89	14,615	11.0	40	10.0	15	10	2/8	8.0	2/90.0	10.0	6,500	20	\$7,226	\$103,212	
13-Jul-89	14,615	11.0	41	9.8	15	11	2/8	9.0	1/90.0	10.0	6,000	60	\$3,285	\$106,497	
14-Jul-89	14,615	11.0	40	8.4	14	12	2/7	9.0	1/90.0	9.5	6,000	40	\$3,066	\$109,563	
15-Jul-89	14,615	11.0	45	8.4	15	15	3/10	9.5	.5/90.0	10.0	5,600	100	\$4,618	\$114,181	
16-Jul-89	14,615	11.0	40	8.2	14	12	2/8	9.5	.5/90.0	9.5	5,600	100	\$0	\$114,181	

# EDWARD ENGINEERING

PETROLEUM CONSULTANTS  
888 SOUTH LIPAN, SUITE C  
DENVER, COLORADO 80223  
(303) 936-0161

July 26, 1989

TO: Gary Kornegay  
10th Floor Pennzoil Place  
P.O. Box 2967  
Houston, TX 77252-2967

FROM: Margie Pierce  
Edward Engineering  
888 South Lipan  
Denver, CO 80223

RE: Mecca 2-8A2  
Section 8, T1S, R2W  
Duchesne County, Utah

Please find log panels for Stages I & II of the potentially productive Wasatch intervals in the Mecca 2-8A2. Stage I includes the lower lacustrine facies of the Wasatch formation (13,350'-14,615' T.D.) and Stage II includes the Wasatch Red Wedge (11,390'-13,350'). These two stages include the entire Wasatch interval penetrated at this location. TAP Hi or abnormal pressure was not encountered in the Mecca 2-8A2, it reached a T.D. of 14,615 feet with 11.0#/gal. mud. A copy of the data sheet is enclosed for each stage and a list of recommended perforations follows. Any questions can be directed to me in Denver at 303-466-6277 or 303-936-3423.

Sincerely,



Marjorie A. Pierce

MECCA 2-8A2

STAGE I:

Wasatch

Lacustrine, normally pressured

DEPTH	NET FEET
13,358 - 64	6
13,370 - 76	6
13,384 - 90	6
13,393 - 97	4
13,430 - 34	4
13,442 - 50	8
13,466 - 72	6
13,488 - 500	12
13,506 - 14	8
13,520 - 36	16
13,548 - 60	12
13,589 - 98	9
13,622 - 50	28
13,661 - 66	5
13,678 - 86	8
13,714 - 28	14
13,752 - 60	8
13,796 - 800	4
13,918 - 40	22
13,970 - 75	5
13,996 - 000	4
14,006 - 16	10
14,022 - 32	10
14,048 - 58	10
14,078 - 86	8
14,124 - 34	10
14,150 - 58	8
14,168 - 76	8
14,184 - 96	12
14,218 - 236	18
14,301 - 6	5
14,334 - 52	18
14,374 - 82	8
14,424 - 46	22
14,468 - 506	38
14,524 - 40	16
14,570 - 80	10

Gross Interval 13,350 - 14,615

Net Feet Total	406
Average Interval ft	11.0
Minimum Thickness ft	4
Maximum Thickness ft	38

MECCA 2-8A2

STAGE II:

Wasatch

1st Red Wedge, normally pressured

DEPTH	NET FEET
11,440 - 56	16
11,488 - 512	24
11,540 - 54	14
11,564 - 76	12
11,612 - 18	6
11,642 - 52	10
11,662 - 68	6
11,714 - 22	8
11,738 - 56	18
11,783 - 87	4
11,800 - 6	6
11,958 - 68	10
12,014 - 22	8
12,052 - 58	6
12,092 - 102	10
12,156 - 66	10
12,176 - 80	4
12,184 - 94	10
12,224 - 46	22
12,254 - 64	10
12,290 - 302	12
12,312 - 18	6
12,324 - 54	30
12,370 - 82	12
12,398 - 402	4
12,428 - 36	8
12,444 - 64	20
12,489 - 98	9
12,532 - 48	16
12,562 - 70	8
12,600 - 18	18
12,630 - 72	42
12,686 - 718	32
12,739 - 50	11
12,774 - 80	6
12,790 - 802	12
12,828 - 50	22
12,864 - 78	14
12,890 - 98	8
12,906 - 16	10
12,920 - 23	3
12,970 - 76	6
12,998 - 006	8
13,160 - 64	4

MECCA 2-8A2

STAGE II:

Wasatch

1st Red Wedge, normally pressured

DEPTH	NET FEET
13,174 - 78	4
13,184 - 202	18
13,230 - 36	6
13,244 - 50	6
13,266 - 72	6

Gross Interval 11,390 - 13,350

Net Feet Total	575
Average Interval ft	11.7
Minimum Thickness ft	3
Maximum Thickness ft	42

August 10, 1989

To: Gary Kornegay  
10th Floor Pennzoil Place  
P. O. Box 2967  
Houston, TX 77252-2967

From: Margie Pierce  
EDWARD ENGINEERING  
888 South Lipan  
Denver, CO 80223

Re: Mecca 2-8A2  
Section 8, T1S, R2W  
Duchesne Co., Utah

This memo follows the memo dated July 26, 1989 regarding the recommended perforation for Stages I and II in the Mecca 2-8A2, located in the SE/4 of Section 8, T1S, R2W, Duchesne County, Utah. After Stages I and II have been perforated and the productive zones are depleted, Stages III, IV, and V which remain behind pipe should be tested. Stages III, IV, and V are all normally pressured. Stage III is the lacustrine facies of the Green River formation which includes the "H" and "HI" carbonate intervals; Stage IV is the Upper Green River interval below the Trona I; and Stage V is the Upper Green River littoral facies above the Trona I.

The intervals listed on the following pages are recommended for perforation in the Green River formation above 11,390 feet in the Mecca 2-20A2. The perforation intervals correspond to the Gamma Ray on the Dual Laterolog logged by Schlumberger 7-12-89 and have been plotted on the log panels which accompany this memo. The perforations were selected on the basis of electric log shows (GR<60 API & Rt>30 ohms) and mud log shows.

Sincerely,

Marjorie A. Pierce

MECCA 2-8A2

STAGE III:

GREEN RIVER

Lacustrine, normal pressured (includes "H" & "HI")

DEPTH		NET FEET
10,028	48	20
10,058	- 78	20
10,105	- 9	4
10,120	- 46	26
10,152	- 78	26
10,186	- 92	6
10,208	- 16	8
10,236	- 42	6
10,254	- 80	26
10,322	- 30	8
10,412	- 28	16
10,438	- 82	44
10,520	- 26	6
10,552	- 600	48
10,612	- 88	76
10,704	- 40	36
10,752	- 62	10
10,780	- 50	70
10,864	- 956	92
11,048	- 60	12
11,070	- 140	70
11,170	- 208	38
11,216	- 40	24
11,258	- 302	44
11,312	- 20	8
11,328	- 76	48

Gross Interval 10,016 - 11,390

Net Feet Total	792
Average Interval ft	30.5
Minimum Thickness ft	4
Maximum Thickness ft	92

MECCA 2-8A2

STAGE IV  
Upper Green River  
Below Trona I, normal pressured

DEPTH	NET FEET
8,150 - 64	14
8,172 - 88	16
8,196 - 202	6
8,258 - 66	8
8,508 - 14	6
8,546 - 52	6
8,562 - 74	12
8,636 - 710	74
8,750 - 58	8
8,884 - 87	3
8,918 - 30	12
8,960 - 76	16
8,988 - 10	22
9,044 - 158	114
9,300 - 512	212
9,572 - 94	22
9,744 - 60	16

Gross Interval 8,053 - 10,016

Net Feet Total	567
Average Interval ft	33.4
Minimum Thickness ft	3
Maximum Thickness ft	212

MECCA 2-8A2

STAGE V

Upper Green River

Littoral, normal pressured

DEPTH	NET FEET
6,780 - 818	38
6,832 - 54	22
6,898 - 958	60
6,974 - 214	240
7,234 - 330	96
7,358 - 84	26
7,400 - 32	32
7,454 - 76	22
7,510 - 34	24
7,750 - 72	22

Gross Interval 6,748 - 8,053

Net Feet Total	582
Average Interval ft	58.2
Minimum Thickness ft	22
Maximum Thickness ft	240

NOTIFICATION AND INFORMATION REQUIREMENTS

Pennzoil Company  
 2-8A2 Mecca  
 8-TLS-R2W  
 Duchesne Co., Utah

**LETTERS**  
 Pennzoil Company  
 P.O. Box 2967  
 Houston, TX  
 77252-2967

**LARGE PACKAGES**  
 Pennzoil Company  
 700 Milam  
 Houston, TX  
 77002

Pennzoil Company  
 P.O. Box 2967 - 10th Floor  
 Houston, TX 77252-2967  
 Attn: Gary L. Kornegay  
 Office: (713) 546-8935

Pennzoil Company  
 P.O. Box 290  
 Meola, UT 84053  
 Attn: Will Luna

Proven Properties, Inc.  
 700 Milam, 8th Floor  
 Houston, TX 77002  
 Attn: Rick Carter

Utah Oil, Gas & Mining  
 55 West North Temple  
 Suite 350  
 Salt Lake City, UT 84180

TOTALS

Cutting of samples	Daily Mud Log & Final Mud Log	Reports - DST, Geological, Completion, Fluid Analysis, etc.	Notice prior to & results of DST's, Cores, Logging, Plugging, etc.	Log Telecopies as needed	Electric Logs - Tape LIS Format	Electric Logs - Film Prints	Electric Logs - Final Prints	Electric Logs - Field Prints	Daily Drilling Reports - Mail	Daily Drilling Reports - Phone	State Permits, Reports, Survey, etc.	A/E & Well Prognosis
1	1&2	2	1	1	1	1	2	2	1	1	2	1
0	0&1	1	1	0	0	0	0	1	0	0	1	2
0	1&2	2	2	1	1	0	2	1	1	0	1	1
0	1 Final	1	0	1	0	0	1	0	1 Mail Weekly	0	0	0
1	2&6	5	4	3	2	1	5	4	5	1	4	4

MUD LOG IN  
LOG FILE  
8/19/98 Z



KAROLTON KLASP®  
NO. 90 9 x 12  
KAROLTON ENVELOPE  
WEST CARROLLTON, OHIO

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

Confidential

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other

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

2. NAME OF OPERATOR: Pennzoil Exploration and Production Company

3. ADDRESS OF OPERATOR: P. O. Box-2967, Houston, Texas -77252-2967

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface Section 8 T1S, R2W SESE 660 FSL & 660 FEL

At top prod. interval reported below same

At total depth same

5. LEASE DESIGNATION AND SERIAL NO.: Fee Land

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME: Mecca

9. WELL NO.: 2-8A2

10. FIELD AND POOL, OR WILDCAT: Bluebell

11. SEC. T. R. M., OR BLOCK AND SURVEY OR AREA: SESE Sec 8, T1S, R2W

DIVISION OF OIL, GAS & MINING

NOV 01 1989

CONFIDENTIAL

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

14. PERMIT NO.: 43-013-31231-00

DATE ISSUED: 5/5/89

15. DATE SPUDED: 5/8/89

16. DATE T.D. REACHED: 7/11/89

17. DATE COMPL. (Ready to prod.): 10/21/89

18. ELEVATIONS (DF, RKB, RT, GR, ETC.): 5981.8 KB

19. ELEV. CASINGHEAD: 5960.97

20. TOTAL DEPTH, MD & TVD: 14,615

21. PLUG, BACK T.D., MD & TVD: 8,126

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY: Rotary Tools X Cable Tools

24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*: 12,156-14,580' Wasatch

25. WAS DIRECTIONAL SURVEY MADE: no

26. TYPE ELECTRIC AND OTHER LOGS RUN: DLL-MFSL-GR, Sonic, CNL-FDC, DIP-Meter

27. WAS WELL CORRD.: no

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16		103			
9-5/8	36&40	4620	12-1/4	1845 sxs	
7	23,26,29	14610	8-3/4	3445 sxs-3 stage	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
none				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number): see attached

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
see attached	

33. PRODUCTION

DATE FIRST PRODUCTION: 8/24/89

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump): submersible pump

WELL STATUS (Producing or shut-in): producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
10/21/89	24			239		160	

FLOW. TUBING PRBL.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)
			239		160	43° API

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): sold

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

SIGNED: Ralph G. Will TITLE: Supervising Engineer DATE: 10-30-89

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

# INSTRUCTIONS

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

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

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

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

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

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

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CURSION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECORDS	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS																																						
<table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <tr> <td colspan="2" style="text-align: center;">OIL AND GAS</td> </tr> <tr> <td style="width: 50%;">DRN</td> <td style="width: 50%;">RJF</td> </tr> <tr> <td>JRB</td> <td>GLH</td> </tr> <tr> <td>BTC</td> <td>SLS</td> </tr> <tr> <td colspan="2" style="text-align: center;">MICROFILM</td> </tr> <tr> <td style="width: 50%;">2. FILE</td> <td style="width: 50%;"></td> </tr> </table>	OIL AND GAS		DRN	RJF	JRB	GLH	BTC	SLS	MICROFILM		2. FILE				<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">NAME</th> <th style="width: 50%;">MEAS. DEPTH</th> </tr> </thead> <tbody> <tr> <td>Green River</td> <td>6748</td> </tr> <tr> <td>Evacuation Creek</td> <td>7530</td> </tr> <tr> <td>Parachute Creek</td> <td>8630</td> </tr> <tr> <td>Mahogany Bench</td> <td>8766</td> </tr> <tr> <td>Tgr3 marker</td> <td>10,016</td> </tr> <tr> <td>Green River</td> <td>10,914</td> </tr> <tr> <td>Transition</td> <td>11,390</td> </tr> <tr> <td>Masatch/Top</td> <td></td> </tr> <tr> <td>Red Beds</td> <td></td> </tr> <tr> <td>Base Red Beds</td> <td>13,350</td> </tr> </tbody> </table>	NAME	MEAS. DEPTH	Green River	6748	Evacuation Creek	7530	Parachute Creek	8630	Mahogany Bench	8766	Tgr3 marker	10,016	Green River	10,914	Transition	11,390	Masatch/Top		Red Beds		Base Red Beds	13,350	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">TOP</th> <th style="width: 50%;">TRUE VERT. DEPTH</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	TOP	TRUE VERT. DEPTH		
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**PENNZOIL EXPLORATION AND PRODUCTION COMPANY**  
PENNZOIL PLACE • P.O. BOX 2967 • HOUSTON, TEXAS 77252-2967 • (713) 546-4000

FAX

DATE: 12/13/89

COMPANY: \_\_\_\_\_

ATTN: Tami Searing

ADDRESS: \_\_\_\_\_

FAX #: 801-359-3946

FROM: Rosann Willrodt

SUBJECT: \_\_\_\_\_

**CONFIDENTIAL**

Tami

This is the list of perforations missing from  
the completions report we filed for the  
Mecca 2-8A2. If you need further info, please  
call me at 713-546-6259. RW

2

NUMBER OF PAGES INCLUDING THE COVER SHEET

FAX # 713-546-4110

Mecca 2 - 8 A Z

12156 - 12166	13266 - 13272	14168 - 14176
12176 - 12180	13325 - 13330	14184 - 14196
12184 - 12194	13336 - 13340	14218 - 14236
12224 - 12246	13344 - 13350	14300 - 14306
12255 - 12264	13354 - 13364	14334 - 14350
12290 - 12302	13370 - 13376	14374 - 14380
12314 - 2318	13384 - 13390	14418 - 14446
12324 - 12354	13393 - 13397	14468 - 14506
12370 - 12382	13410 - 13424	14520 - 14540
12428 - 12464	13430 - 13434	14570 - 14580
12488 - 12498	13438 - 13450	
12532 - 12548	13466 - 13472	Total: 76 intervals
12562 - 12570	13488 - 13536	1085 ft.
12600 - 12618	13548 - 13560	2170 holes
12630 - 12672	13589 - 13650	
12686 - 12718	13661 - 13666	
12738 - 12750	13678 - 13686	
12774 - 12780	13698 - 13728	
12790 - 12802	13739 - 13742	
12828 - 12850	13752 - 13760	
12864 - 12878	13770 - 13784	
12890 - 12898	13796 - 13800	
12906 - 12916	13824 - 13838	
12920 - 12924	13864 - 13868	
12935 - 12940	13900 - 13905	
12946 - 12950	13918 - 13940	
12956 - 12976	13970 - 13975	
12998 - 13036	13996 - 14000	
13056 - 13078	14006 - 14032	
13112 - 13122	14048 - 14058	
13152 - 13210	14078 - 14086	
13230 - 13236	14124 - 14134	
13244 - 13250	14150 - 14158	

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

SUBMIT IN DUPLICATE\*  
(See other instructions  
on reverse side)

56 64 01

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5. LEASE DESIGNATION AND SERIAL NO.

Fee Land

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. INSTRUMENT NAME

8. TERM OR LEASE NAME

Mecca

9. WELL NO.

2-8A2

10. FIELD AND POOL, OR WILDCAT

Bluebell

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

Sec 8, T1S, R2W

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other

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

2. NAME OF OPERATOR  
Pennzoil Exploration and Production Company

3. ADDRESS OF OPERATOR  
P.O. Box 2967, Houston, TX 77252-2967

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface Section 8, T1S, R2W SESE 660 FSL & 660 FEL

At top prod. interval reported below

At total depth

14. PERMIT NO. 43-013-31231-00 DATE ISSUED 5/5/89

DIVISION OF OIL, GAS & MINING

RECEIVED  
JAN 08 1990

15. DATE SPUDDED 5/8/89 16. DATE T.D. REACHED 7/11/89 17. DATE COMPL. (Ready to prod.) 10/21/89 18. ELEVATIONS (DF, RKB, BT, GR, ETC.)\* 5981.8KB 19. ELEV. CASINGHEAD 5960.97

20. TOTAL DEPTH, MD & TVD 14,615 21. PLUG, BACK T.D., MD & TVD 8,126 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 12,156-14,580' Wasatch 25. WAS DIRECTIONAL SURVEY MADE no

26. TYPE ELECTRIC AND OTHER LOGS RUN DLL-MFSL-GR, Sonic, CNL-FDC, DIP-meter 27. WAS WELL CORRD. no

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16		103			OIL AND GAS
9-5/8	36&40	4620	12-1/4	1845 sxs	DFN HGF
7	23,26,29	14610	8-3/4	3445 sxs-3 stage	JRB GLH

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
see attached	MICROFILM
	FILE

33.\* PRODUCTION

DATE FIRST PRODUCTION 8/24/89 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) submersible pump WELL STATUS (Producing or shut-in) producing

DATE OF TEST 10/21/89 HOURS TESTED 24 CHOSE SIZE PROD'N FOR TEST PERIOD OIL—BBL. 239 GAS—MCF. WATER—BBL. 160 GAS-OIL RATIO

FLOW. TUBING PRES. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. 239 GAS—MCF. WATER—BBL. 160 OIL GRAVITY-API (CORR.) 43° API

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) sold TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED [Signature] TITLE Western Div. Prod. Manager DATE 1/3/90

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

# INSTRUCTIONS

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

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

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

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

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

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

**37. SUMMARY OF POROUS ZONES:**

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTS, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

**38. GEOLOGIC MARKERS**

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Green River	6748		
Evacuation Creek	7530		
Parachute Creek	8630		
Mahogany Bench	8766		
Tgr3 Marker	10016		
GR Transition	10914		
Wasatch/top	11390		
Red Beds			
Base Red Beds	13350		

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

		5. LEASE DESIGNATION AND SERIAL NO. FEE
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	6. IF INDIAN, ALLOTTEE OR TRIBAL NAME	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT-" for such proposals)		7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR <b>PENNZOIL EXPLORATION and PRODUCTION COMPANY</b>	8. FARM OR LEASE NAME MECCA	
3. ADDRESS OF OPERATOR <b>P.O. BOX 290 NEOLA, UTAH 84053</b>	9. WELL NO. 2-8A2	
4. LOCATION OF WELL (Report location clearly and in accordance with State requirements. See also space 17 below.) At surface  660' FSL & 660' FEL (SESE)	10. FIELD AND POOL, OR WILDCAT Bluebell 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 8, T1S, R2W	
14. PERMIT NO. 43-013-31231-00	15. ELEVATION (SHOW WHETHER DF, RT, GR, etc.) 5981.8 RKB	12. COUNTY OR PARISH Duchesne County 13. STATE Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF >	<input type="checkbox"/>	PULL OR ALTER CASING >	<input type="checkbox"/>
FRACTURE TREAT >	<input type="checkbox"/>	MULTIPLE COMPLETE >	<input type="checkbox"/>
SHOOT OR ACIDIZE >	<input checked="" type="checkbox"/>	ABANDON* >	<input type="checkbox"/>
REPAIR WELL >	<input type="checkbox"/>	CHANGE PLANS >	<input type="checkbox"/>
		WATER SHUT-OFF >	<input type="checkbox"/>
		FRACTURE TREATMENT >	<input type="checkbox"/>
		SHOOTING OR ACIDIZING >	<input type="checkbox"/>
		(OTHER)	<input type="checkbox"/>
		REPAIRING WELL >	<input type="checkbox"/>
		ALTERING CASING >	<input type="checkbox"/>
		ABANDONMENT >	<input type="checkbox"/>

(OTHER):

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

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

Pennzoil Plans to acidize the subject well with 80,000 gals. of acid

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

DATE: 8-11-93  
BY: [Signature]

AUG 10 1993

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

SIGNED:

[Signature]

TITLE: Petroleum Engr.

DATE: 8/6/93

(This space for Federal or State office use)

APPROVED BY:

TITLE:

DATE:

CONDITION OF APPROVAL IF ANY:

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

6. Lease designation and Serial Number  
7. Indian Allottee or Tribe Name  
8. Unit or Communitization Agreement

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill new wells, deepen existing well, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT - for such proposals

1. Type of Well  
 Oil Well     Gas well     Other (specify)  
2. Name of Operator  
**Pennzoil Exploration and Production Company**

9. Well Name and Number  
**Mecca 2-8A2**  
10. API Well Number  
**43-013-31231-00**

3. Address of Operator  
**P.O. Box 290    Neola, Utah    8 4 0 5 3**

4. Telephone  
**801-353-4397**

11. Field and Pool, or Wildcat  
**Bluebell**

5. Location of Well  
Footage : **660' FSL & 660' FEL**    County : **Duchesne**  
QQ, Sec. T., R., M. : **Section 8, T1S, R2W**    State : **Utah**

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

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

<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Other _____	

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

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

<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input checked="" type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Other _____	

✓ Date of Work Completion August 24, 1993

Report results of Multiple Completion and Recompletion to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form  
\* Must be accompanied by a cement verification report.

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

SUMMARY OF WORK PERFORMED FROM 8-10-93 TO 8-24-93

- 10-Aug-93    MI & RU pulling unit.
- 12-Aug-93    Finished POOH with rods and production tubing.
- 13-Aug-93    Finished running packer and 3-1/2" tubing.
- 14-Aug-93    Acidized perfs 12,156-14,580' with 80,000 gallons 15% HCL.
- 17-Aug-93    Finished swab testing.
- 19-Aug-93    Finished POOH with 3-1/2" tubing and packer.
- 24-Aug-93    Finished running production tubing and rods. RD pulling unit.

**RECEIVED**  
SEP 08 1993  
DIVISION OF  
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct  
Name & Signature Jess Dullnig    Title Petroleum Engineer    Date 6-Sep-93

(State Use Only)  
*tax credit form 6/20/94*

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas well     Other

2. Name of Operator  
**Pennzoil Company**

3. Address and Telephone No.  
**P.O. BOX 290 NEOLA, Utah 84053                      435 - 353 - 4121**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**660' FSL 660' FWL Section 8, T1S, R2W**

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

8. Well Name and No.  
**MECCA 2-8A2**

9. API Well No. **23**  
**43-013-31321-00**

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

11. County or Parish, State  
**Duchesne**

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

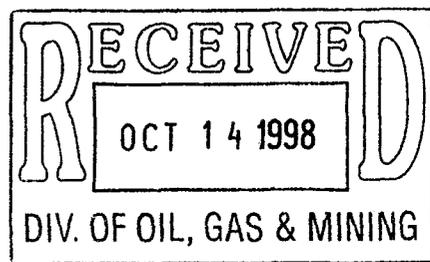
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/>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

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

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

**PULL OLD RODS  
 RUN NEW RODS 87 TAPER**

**INSTALL ROTA-FLEX UNIT**



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

Signed E.K. BASTIAN Title SENIOR LEASE OPERATOR Date 12/3/97

(This space of Federal or State office use.)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any: \_\_\_\_\_

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



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

RECEIVED

FEB 17 2000

DIVISION OF  
OIL, GAS AND MINING

In Reply Refer To:  
3106  
U-0575A et al  
(UT-932)

FEB 16 2000

### NOTICE

Devon Energy Production Company L.P. : Oil and Gas  
20 North Broadway, Suite 1500 : U-0575A et al  
Oklahoma City, Oklahoma 73102-8260 :

#### Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of Devon Energy Corporation (Nevada) and PennzEnergy Exploration and Production Company, L.L.C. into Devon Energy Production Company, L.P. with that company being the surviving entity.

The oil and gas lease files listed on the enclosed exhibit have been noted as to the merger. The exhibit was compiled from your list of leases, and a list of leases obtained from our computer system. We have not attempted to identify leases where the entities are the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the merger by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

PennzEnergy Company assigned 100 percent of the record title interest, in the following leases on the list submitted by Devon Energy Production Company L.P., to Barrett Resources Corporation (Barrett) effective January 1, 2000.

U-0143511  
U-0143512

U-4377  
U-4378

UTU-67943

Subsequently, Barrett assigned 100 percent of the record title interest to Coastal Oil & Gas Corporation effective February 1, 2000. A copy of this notice is being placed in these files to cover any overriding royalty interest that would be held by the surviving entity.

Lease U-0115614A is held 100 percent by Flying J Oil & Gas. PennzEnergy Company holds 100 percent of the record title interest in lease U-3575. No record title assignment assigning the interest to PennzEnergy Exploration and Production Company, L.L.C. has been filed in this office. A copy of this notice will be placed in the lease files to cover any overriding royalty interest that would be held by the surviving entity.

Leases U-61343, UTU-64532, UTU-66485 and UTU-75200 have expired and are closed on the records of this office.

An assumption rider for BLM Bond No. CO1104 has been filed in the Colorado State Office.

**/s/ Robert Lopez**

Robert Lopez  
Chief, Branch of  
Minerals Adjudication

Enclosure  
Exhibit

cc: Vernal Field Office (w/encl.)  
Moab Field Office (w/encl.)  
MMS, Reference Data Branch, MS3130, P.O. Box 5860, Denver, CO 80217 (w/encl.)  
State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210), Box 145801, SLC, UT (w/encl.)  
Teresa Thompson (UT-931) (w/encl.)  
Irene Anderson (UT-932) (w/encl.)  
LaVerne Steah (UT-942) (w/encl.)

Exhibit of Leases

U-0575A  
U-01188B  
U-016654  
U-0115614A  
U-0115615  
U-0126825  
U-0141454

U-0141459  
U-0143511  
U-0143512  
U-0144868A  
U-3099  
U-3575  
UTU-74888

U-4377  
U-4378  
U-16131  
U-31262  
U-44426  
UTU-67943

Communitization Agreements

U-58774  
U-58799  
U-58830  
U-58834

U-58835  
U-58839  
U-58844  
U-58854

U-60827  
U-60831  
U-68998



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

In Reply Refer To:  
3100  
U-4377  
UTU-66485  
(UT-932)

**MAR 26 1999**

### NOTICE

PennzEnergy Exploration and Production L.L.C. : Oil and Gas  
P.O. Box 2967 :  
Houston, TX 77252-2967 :

#### Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of Pennzoil Exploration and Production Company into PennzEnergy Exploration and Production L.L.C. with PennzEnergy Exploration and Production L.L.C. being the surviving entity.

For our purposes, the merger is recognized effective December 28, 1998, (Secretary of State's approval date).

Oil and gas lease files U-4377 and UTU-66485 have been noted as to the merger. The lease file numbers were obtained from a list of leases drawn from our Automated Land and Mineral Record System (ALMRS). We have not abstracted the lease files to determine if the entity affected by the merger holds an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

By recognition of the merger, the principal/obligor is automatically changed by operation of law from Pennzoil Exploration and Production Company to PennzEnergy Exploration and Production L.L.C. on Bond No. 8023 29 91 (BLM Bond No. NM0043). The principal/obligor is also automatically changed from Pennzoil Exploration and Production Company to PennzEnergy Exploration and Production L.L.C. on Bond No. 8134-90-99 (BLM Bond No. NM2142).

**IRENE J. ANDERSON**

Irene J. Anderson  
Acting Group Leader,  
Minerals Adjudication Group

cc: Moab Field Office  
Vernal Field Office  
MMS, Reference Data Branch, MS 3130, Box 5860, Denver, CO 80217  
State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210), Box 145801, SLC, UT 84114-5801  
Teresa Thompson (UT-931)



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

In Reply Refer To:  
3100  
U-0115615 et al  
(UT-932)

**MAR 26 1999**

### NOTICE

PennzEnergy Company : Oil and Gas  
P.O. Box 2967 :  
Houston, TX 77252-2967 :

#### Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of PennzEnergy Company into Pennzoil Company with PennzEnergy Company being the surviving entity.

For our purposes, the merger is recognized effective December 30, 1998, (Secretary of State's approval date).

The oil and gas lease files and communitization agreement computer files identified on the enclosed exhibit have been noted as to the merger. The exhibit was compiled from a list of leases obtained from our Automated Land and Mineral Record System (ALMRS). We have not abstracted the lease files to determine if the entity affected by the merger holds an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

By recognition of the merger, the principal/obligor is automatically changed by operation of law from Pennzoil Company to PennzEnergy Company on Bond No. 8134-90-99 (BLM Bond No. NM2142).

IRENE J. ANDERSON

Irene J. Anderson  
Acting Group Leader,  
Minerals Adjudication Group

Enclosure  
Exhibit

cc: Moab Field Office  
Vernal Field Office  
MMS, Reference Data Branch, MS 3130, Box 5860, Denver, CO 80217  
State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210), Box 145801, SLC, UT 84114-5801  
Teresa Thompson (UT-931)

Devon Energy Production Company, L.P.

Certificate of Merger

**FILED**

**DEC 30 1999**

**OKLAHOMA SECRETARY  
OF STATE**

TO: The Oklahoma Secretary of State  
101 State Capitol  
Oklahoma City, Oklahoma 73105

Devon Energy Production Company, L.P., a limited partnership organized under the laws of the State of Oklahoma, for the purpose of filing a Certificate of Merger pursuant to the provisions of 54 O.S. § 310.1, does hereby execute the following Certificate of Merger:

1. The name and jurisdiction of formation or organization of each of a domestic limited partnership, a foreign corporation and a foreign limited liability company which are to merge are:

<u>Name of Organization</u>	<u>Type of Organization</u>	<u>Jurisdiction of Formation</u>
Devon Energy Production Company, L.P.	Limited Partnership	Oklahoma
Devon Energy Corporation (Nevada)	Corporation	Nevada
PennzEnergy Exploration and Production Company, L.L.C.	Limited Liability Company	Delaware

2. An Agreement of Merger has been approved and executed by the limited partnership, the corporation and the limited liability company which are to merge.

3. The name of the surviving or resulting limited partnership is:

Devon Energy Production Company, L.P.

4. The merger shall be effective upon the filing of this Certificate of Merger with the Secretary of State of Oklahoma.

5. The Agreement of Merger is on file at the place of business of the surviving limited partnership at 1500 Mid-America Tower, 20 North Broadway, Oklahoma City, Oklahoma 73102.

6. A copy of the Agreement of Merger shall be furnished by the surviving or resulting limited partnership, upon request and without cost, to any partner of any limited partnership or any person holding an interest in any other business entity which is to merge.

**RECEIVED**

**MAR 13 2000**

**DIVISION OF  
OIL, GAS AND MINING**

DATED as of the 30th day of December, 1999.

Devon Energy Management Company, L.L.C.  
General Partner

By: J. Larry Nichols  
J. Larry Nichols, Manager

**RECEIVED**

MAR 13 2000

DIVISION OF  
OIL, GAS AND MINING

LD 635381-001

OFFICE OF THE SECRETARY OF STATE



CERTIFICATE OF MERGER

WHEREAS,

DEVON ENERGY PRODUCTION COMPANY, L.P.

a limited partnership organized under the laws of the State of OKLAHOMA, has filed in the office of the Secretary of State duly authenticated evidence of a merger whereby said limited partnership is the survivor, as provided by the laws of the State of Oklahoma.

NOW THEREFORE, I, the undersigned Secretary of State of Oklahoma, by virtue of the powers vested in me by law, do hereby issue this Certificate evidencing such merger.

IN TESTIMONY WHEREOF, I hereunto set my hand and cause to be affixed the Great Seal of the State of Oklahoma.

Filed in the City of Oklahoma City this 30TH day of DECEMBER, 1999.

Mae Hunter  
Secretary of State  
By: [Signature]

## DESIGNATION OF AGENT OR OPERATOR

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME: As per the attached spreadsheet.

LEASE NUMBER: \_\_\_\_\_

and hereby designates

NAME: Devon Energy Production Company, L.P.

ADDRESS: 20 North Broadway, Suite 1500, Oklahoma City, OK 73102-8260

as his agent /operator  with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to:

(Describe acreage to which this designation is applicable, and identify each applicable oil and gas well by name and API number. Attach additional pages as needed.)

See attached spreadsheet.

Note: Please use April 1, 2000 as the starting date for production reporting purposes.

RECEIVED

APR 20 2000

DIVISION OF  
OIL, GAS AND MINING

It is understood that this designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah. It is also understood that this designation of agent or operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated agent/operator, the lessee will make full and prompt compliance with all rules, lease terms or orders of the Board of Oil, Gas and Mining of the State of Utah or its authorized representative.

The lessee agrees to promptly notify the Division Director or Authorized Agent of any change in this designation.

Effective Date of Designation: January 1, 2000

BY: (Name) R. D. Clark  
(Signature)   
(Title) Vice President  
(Phone) 405-235-3611

OF: (Company) PennzEnergy Exploration and Production Company, L.L.C.  
(Address) 20 North Broadway, Suite 1500  
Oklahoma City, OK 73102-8260

**RECEIVED**

APR 20 2000

**DEVON ENERGY PRODUCTION COMPANY, L.P.**DIVISION OF  
OIL, GAS AND MINING**UTAH PROPERTIES**

	<u>API NO.</u>	<u>WELL NAME &amp; NO.</u>	<u>LOCATION</u>	<u>COUNTY</u>	<u>FIELD NAME</u>	<u>LEASE NO. / AGREEMENT NO.</u>
28	4301330297	GEORGE MURRAY 1-16B1	SENW-16-2S-1W	DUCHESNE	BLUEBELL	
29	4301330307	UTE ALLOTTED 1-36Z2	NWSE-36-1N-2W	DUCHESNE	BLUEBELL	1420H621676 / 9C124
30	4301330347	LAMICQ URRUTY U 4-5A2	SENW-5-1S-2W	DUCHESNE	BLUEBELL	
31	4301330359	H G COLTHARP 1-15B1	SENW-15-2S-1W	DUCHESNE	BLUEBELL	
32	4301330369	STATE 3-18A1	NESW-18-1S-1W	DUCHESNE	BLUEBELL	9C142
	4301330564	D L GALLOWAY 1-14B2	SWNE-14-2S-2W	DUCHESNE	BLUEBELL	
34	4301330807	MARGUERITE 2-8B2	SENW-8-2S-2W	DUCHESNE	BLUEBELL	96102
35	4301330809	LAMICQ 2-6B1	NWSE-6-2S-1W	DUCHESNE	BLUEBELL	
36	4301330821	DILLMAN 2-28A2	SWNE-28-1S-2W	DUCHESNE	BLUEBELL	
37	4301330903	HAMBLIN 2-26A2	SWNE-26-1S-2W	DUCHESNE	BLUEBELL	
38	4301330912	RACHEL JENSEN 2-16C5	NENW-16-3S-5W	DUCHESNE	ALTAMONT	
39	4301330921	ROBERTSON UTE 2-2B2	NENE-2-2S-2W	DUCHESNE	BLUEBELL	9682
40	4301330975	JOHN 2-3B2	NWNE-3-2S-2W	DUCHESNE	BLUEBELL	
41	4301330995	LAMICQ ROBERTSON STATE 2-1B2	SWNE-1-2S-2W	DUCHESNE	BLUEBELL	
42	4301331009	UTE 2-7A2	CNE-7-1S-2W	DUCHESNE	BLUEBELL	1420462811
43	4301331147	HATCH 2-3B1	SENW-3-2S-1W	DUCHESNE	BLUEBELL	
44	4301331151	NORLING 2-9B1	SWSW-9-2S-1W	DUCHESNE	BLUEBELL	
45	4301331184	SHAW 2-27A2	SESW-27-1S-2W	DUCHESNE	BLUEBELL	
	4301331190	LAMICQ URRUTY 4-17A2	SENW-17-1S-2W	DUCHESNE	BLUEBELL	
47	4301331191	LAMICQ 2-20A2	SESE-20-1S-2W	DUCHESNE	BLUEBELL	
48	4301331192	BOREN 3-11A2	SWSW-11-1S-2W	DUCHESNE	BLUEBELL	96107
49	4301331203	FRESTON 2-8B1	SWNE-8-2S-1W	DUCHESNE	BLUEBELL	
50	4301331215	WISSE 3-35A2	SWSW-35-1S-2W	DUCHESNE	BLUEBELL	
51	4301331231	MECCA 2-8A2	SESE-8-1S-2W	DUCHESNE	BLUEBELL	
52	4301331232	MARK 2-25A2	NWNE-25-1S-2W	DUCHESNE	BLUEBELL	NW537
53	4301331233	DUNCAN 4-12A2	SWNW-12-1S-2W	DUCHESNE	BLUEBELL	UTU77363
54	4301331235	SWYKES 2-21A2	NWNW-21-1S-2W	DUCHESNE	BLUEBELL	NW590

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**DEVON ENERGY PRODUCTION COMPANY, L.P.**DIVISION OF  
OIL, GAS AND MINING**UTAH PROPERTIES**

	<u>API NO.</u>	<u>WELL NAME &amp; NO.</u>	<u>LOCATION</u>	<u>COUNTY</u>	<u>FIELD NAME</u>	<u>LEASE NO. / AGREEMENT NO.</u>
55	4301331238	SHERMAN 2-12B2	SWSE-12-2S-2W	DUCHESNE	BLUEBELL	9690
56	4301331245	MILES 7-7B3	SWNW-7-2S-3W	DUCHESNE	ALTAMONT	9675
57	4301331276	DUNCAN 4-2A2	NESE-2-1S-2W	DUCHESNE	BLUEBELL	
58	4301331278	HAMBLIN 3-9A2	SENE-9-1S-2W	DUCHESNE	BLUEBELL	
59	4301331285	DUNCAN 3-7A1	NWNW-7-1S-1W	DUCHESNE	BLUEBELL	
	4301331286	BAR F 2-5B1	SWSE-5-2S-1W	DUCHESNE	BLUEBELL	
61	4301331299	CORNABY 2-14A2	NENE-14-1S-2W	DUCHESNE	BLUEBELL	NW498
62	4301331317	MITCHELL 2-4B1	SESW-4-2S-1W	DUCHESNE	BLUEBELL	9662
63	4301331321	SMITH 2-9C5	SWSW-9-3S-5W	DUCHESNE	ALTAMONT	
64	4301331322	LORANGER 2-24A2	N/2NE-24-1S-2W	DUCHESNE	BLUEBELL	
65	4301331325	UTE 2-6B3	SWSW-6-2S-3W	DUCHESNE	ALTAMONT	1420H621858 / 9651
66	4301331326	MCELPRANG 2-30A1	SWSW-30-1S-1W	DUCHESNE	BLUEBELL	NW625
67	4301331327	SMITH 2-7C5	NESW-7-3S-5W	DUCHESNE	ALTAMONT	1420H622389
68	4301331328	SMITH 2-18C5	SWSE-18-3S-5W	DUCHESNE	ALTAMONT	1420H622392
69	4301331329	UTE 2-24A3	SWNW-24-1S-3W	DUCHESNE	BLUEBELL	1420H621761
70	4301331330	UTE 5-19A2	NWNW-19-1S-2W	DUCHESNE	BLUEBELL	1420H621751
71	4301331332	EDWARDS 3-10B1	SWSW-10-2S-1W	DUCHESNE	BLUEBELL	
72	4301331333	SUNDANCE 4-15A2	SWNE-15-1S-2W	DUCHESNE	BLUEBELL	
	4301331334	LORANGER 6-22A2	SWSW-22-1S-2W	DUCHESNE	BLUEBELL	
74	4301331335	COX 2-36A2	NWNW-36-1S-2W	DUCHESNE	BLUEBELL	
75	4301331338	SMITH 2-6C5	SESW-6-3S-5W	DUCHESNE	ALTAMONT	1420H622388 / UTU70553
76	4301331341	FRESTON 2-7B1	SENE-7-2S-1W	DUCHESNE	BLUEBELL	1420H621970 / 9686
77	4301331356	PEARSON 2-11B2	SENE-11-2S-2W	DUCHESNE	BLUEBELL	
78	4301331378	CHAPMAN 2-4B2	SWNW-4-2S-2W	DUCHESNE	BLUEBELL	
79	4301331390	LAMB 2-16A2	NENE-16-1S-2W	DUCHESNE	BLUEBELL	
80	4301331393	LABRUM 2-23A2	SWSW-23-1S-2W	DUCHESNE	BLUEBELL	
81	4301331820	POWELL 2-16B1	NENE-16-2S-1W	DUCHESNE	BLUEBELL	

**DEVON ENERGY PRODUCTION COMPANY, L.P.**  
**UTAH PROPERTIES**

	<u>API NO.</u>	<u>WELL NAME &amp; NO.</u>	<u>LOCATION</u>	<u>COUNTY</u>	<u>FIELD NAME</u>	<u>LEASE NO. / AGREEMENT NO.</u>
82	4304730164	ROBERTSON UTE ST 1-12B1	SWNE-12-2S-1W	UNITAH	BLUEBELL	96101
83	4304730176	MAY UTE FEDERAL 1-13B1	NWSE-13-2S-1W	UNITAH	BLUEBELL	NW673
84	4304731981	COOK 1-26B1	SWSW-26-2S-1W	UNITAH	BLUEBELL	UTU68998
85	4304732178	CHRISTIANSEN 2-12B1	SWSE-12-2S-1W	UNITAH	BLUEBELL	96101
86	4304732351	BALLARD 2-15B1	SENE-15-2S-1W	UNITAH	BLUEBELL	
	4304732744	RICH 2-13B1	NWNW-13-2S-1W	UNITAH	BLUEBELL	NW673
88	4301320255	SWD 4-11A2	NWNW-11-1S-2W	DUCHESNE	BLUEBELL	96107
89	4301330021	SWD 1-3A2	SESE-3-1S-2W	DUCHESNE	BLUEBELL	
90	4301330346	SWD 2-28A2	NWSE-28-1S-2W	DUCHESNE	BLUEBELL	
91	4301330367	SWD 2-10B1	NWNW-10-2S-1W	DUCHESNE	BLUEBELL	
92	4301330389	SWD 2-26A2	NESW-26-1S-2W	DUCHESNE	BLUEBELL	
93	4301330388	SWD 2-17C5	SENE-17-3S-5W	DUCHESNE	BLUEBELL	

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DIVISION OF  
OIL, GAS AND MINING



3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 10/12/2000
4. Is the new operator registered in the State of Utah: YES Business Number: 4549132-0143
5. If **NO**, the operator was contacted on: \_\_\_\_\_
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: 02/16/2000
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 the BIA has approved the operator change for all wells listed involved in a CA on: N/A
9. **Underground Injection Control ("UIC") Proj:** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 10/16/2000
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 10/16/2000
3. Bond information entered in RBDMS on: \_\_\_\_\_
4. Fee wells attached to bond in RBDMS on: \_\_\_\_\_

**STATE BOND VERIFICATION:**

1. State well(s) covered by Bond No.: \_\_\_\_\_

**FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: YES
2. The **FORMER** operator has requested a release of liability from their bond on: 09/26/2000  
The Division sent response by letter on: 10/03/2000
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 10/17/2000

**FILMING:**

1. All attachments to this form have been **MICROFILMED** on: 3.2.01

**FILING:**

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filed in each well file on: \_\_\_\_\_

**COMMENTS:**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: MECCA 2-8A2
2. NAME OF OPERATOR: DEVON ENERGY PROD CO LP	9. API NUMBER: 43013312310000
3. ADDRESS OF OPERATOR: P.O. Box 290 8345 North 5125 West, Neola, UT, 84053	PHONE NUMBER: 405 552-7883 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 08 Township: 01.0S Range: 02.0W Meridian: U	9. FIELD and POOL or WILDCAT: BLUEBELL  COUNTY: DUCHESNE  STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 2/24/2012	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Devon intends on adding additional intervals in the upper Wasatch with perforations from 11,314 - 12,020'. These intervals will be acidized, tested and stimulated. Attachment: well history & procedure.

**Approved by the Utah Division of Oil, Gas and Mining**  
**Date:** February 16, 2012  
**By:** *Deanna Bell*

<b>NAME (PLEASE PRINT)</b> Deanna Bell	<b>PHONE NUMBER</b> 435 353-5780	<b>TITLE</b> Senior Field Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 2/10/2012	

MECCA 2-8A2, RECOMPLETION

**DEVON ENERGY PRODUCTION COMPANY  
WORKOVER PROCEDURE  
MECCA 2-8A2  
SECTION 8, T1S, R2W  
BLUEBELL/ALTAMONT FIELD  
DUCHESNE COUNTY, UTAH**

**OBJECTIVE:**

Add additional intervals in the upper Wasatch and fracture stimulate. Comingle and put well back on pump.

**JUSTIFICATION:**

The Mecca 2-8A2 was originally completed in the Lower Wasatch in 1989 with perforations from 12156' to 14580'. No additional perforations have been added. The well is currently producing at ~30 BOPD and ~120 MCFD but has good potential for increased production in the remaining Wasatch.

The existing interval will be temporarily isolated with a bridge plug and the upper Wasatch perforated in selected intervals from 11314'-12020'. This interval will be acidized, tested and then fracture stimulated. After the initial pressure declines the lower perforations will be comingled and put back on production.

**s**

**WELL DATA:**

API Number:	43-013-31329
Completed:	October 1989
Surface Casing:	9 5/8" at 4620'
Production casing:	7" 23/26/293 set at 14610'.
Perforations:	12156-14580, 1989

MECCA 2-8A2, RECOMPLETION

WELL HISTORY:

- 08-15-89 Perforated 12156-14580', 76 intervals, 1085', 2170 holes.
- 08-20-89 Acidized perforations 12156-14580' with 80,000 gals 7.5% acid in eight stages using benzoic acid flakes, wax beads, rock salt and balls for diversion. Noted good breaks and diversion during the job.
- 10-19-89 Installed submersible pump.
- 5-28-93 Converted from sub pump to rod pump.
- 08-14-93 Acidized perforations 12156-14580' with 80,000 gals 15% HCL with 4000 balls for diversion and 22,000 lbs of benzoic acid flakes.
- 12-03-97 Installed Rotaflex pumping unit.
- 01-30-04 Lowered seating nipple to 12,123', 1-3/4" rod pump.
- 6-8-07 Repair tubing leak. SN @ 12,127.78'

PROCEDURE:

1. RDMO pumping unit.
2. MIRU workover rig with pump and tank. Test the dead men prior to moving in and rigging up.
3. POOH with rods & pump, 1.9" tubing side string, 2-7/8" production tubing.
4. RU Electric Line and TIH with a 7" CIBP and set at ~12100', dump 10' of cement on top. Load casing and pressure test casing to 1,000 psi.
5. Rig up full lubricator and grease for pressure control. Perforate Wasatch 11314'-12020' overall as per perforation detail. RDMO wireline.
6. TIH with 2-7/8" tubing and a 7" treating packer and set at ~11250'.
7. Swab test the interval prior to acidizing to determine the rate, oil cut and fluid level. Catch an oil sample for compatibility testing with the acid.
8. Acidize the interval with 6,000 gals of 7 1/2% HCl with standard additives and 36 bio-ball sealers for diversion.

MECCA 2-8A2, RECOMPLETION

9. Swab test to determine rate, cut and fluid level. Swab until the pH is five or greater.
10. If economic production is established put well back on production for an extended production test.
11. Move rig back in and POOH with rods & pump.
12. PU and TIH with 7" treating packer and 4 ½" frac string to 11250'.
13. Frac upper Wasatch as per Halliburton recommendation.

**Pressure up backside to 1000 psi and monitor during frac job. Install relief valves on treating lines and set for max pressure.**

14. Release packer and POOH with frac string.
15. Run production equipment and put well on pump.

**STAGE 1 PROPOSED**  
**Upper Wasatch**

**Perfs picked on Dual Laterolog Log dated 7/12/89**

No.	Perforated Interval	Feet	SPF	Holes	CBL Depth Comments
1	11314	11318	4	1	4
2	11444	11448	4	1	4
3	11567	11571	4	1	4
4	11716	11720	4	1	4
5	11960	11964	4	1	4
6	12016	12020	4	1	4

Number of Intervals	6
Net Feet of Perforations	24
Number of Holes	24

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
		<b>7. UNIT or CA AGREEMENT NAME:</b>	
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> MECCA 2-8A2		
<b>2. NAME OF OPERATOR:</b> DEVON ENERGY PROD CO LP	<b>9. API NUMBER:</b> 43013312310000		
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 290 8345 North 5125 West, Neola, UT, 84053	<b>PHONE NUMBER:</b> 405 228-4248 Ext	<b>9. FIELD and POOL or WILDCAT:</b> BLUEBELL	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FSL 0660 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 08 Township: 01.0S Range: 02.0W Meridian: U	<b>COUNTY:</b> DUCHESNE		
	<b>STATE:</b> UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/27/2012  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input checked="" type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
<p>Subsequent report for Notice of Intent dated 2/10/12, approved 2/16/12. Set CIBP @ 12,115', test to 1000 psi. Perforate Wasatch 11,314 - 12,020', 6 intervals, 24', 24 holes. Set pkr @ 11,225', test. Acidize w/ 6,000 gals 15% HCL acid w/ standard additives &amp; 36 7/8" OD bioballs. Swab test. Release &amp; LD pkr @ 11,225'. Production test. Set pkr @ 11,248'. Ran Gamma Ray log to 13,891'. Release &amp; LD pkr @ 11,248'. Set CIBP @ 12,109', set pkr @ 12,053', test to 1000 psi. Test plug to 8500 psi. Release &amp; LD pkr @ 12,053'. Set pkr @ 11,217', test to 1000 psi. Halliburton frac, detail attached. Run Gamma Ray log, tag sand @ 12,020'. Release and LD pkr @ 11,217'. Return to production from upper Wasatch perforations 11,314 - 12,020'. Attachments: Stimulation report 04/26/12 &amp; well chronology 022312 to 052712.</p>			
<b>NAME (PLEASE PRINT)</b> Deanna Bell		<b>PHONE NUMBER</b> 435 353-5780	<b>TITLE</b> Senior Field Technician
<b>SIGNATURE</b> N/A		<b>DATE</b> 6/25/2012	

**BBA MECCA 2-8A2**

**WEST UNRESTRICTED**



**Stimulations**

District <b>ROCKY MOUNTAIN</b>	County <b>DUCHESNE</b>	Field Name <b>BLUEBELL</b>	Project Group <b>UINTA</b>	State/Province <b>UT</b>
Surface Legal Location <b>8-1-S 2-W-6</b>	API/UWI <b>4301331231</b>	Latitude (DMS) <b>40° 24' 17.172" N</b>	Longitude (DMS) <b>110° 7' 33.204" W</b>	Ground Elev ... KB - GL (ft) <b>5,961.80 21.00</b>
				Orig KB Elev (ft) <b>5,982.80</b>
				TH Elev (ft) <b>5,960.97</b>

<b>Fracture</b>		Date <b>4/26/2012</b>	Type <b>HYDRAULIC FRAC</b>	Job Category <b>RECOMPLETION</b>	Zone <b>WASATCH, OH</b>	Delivery Mode <b>CASING</b>	Stim/Treat Company <b>HALLIBURTON</b>
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Chemical Supplier <b>HALLIBURTON</b>	Primary Diversion Method	Stage #	Pre Trt S/I Prs (psi) <b>0.0</b>	Instant Shut-in Pressure (psi) <b>4,750.0</b>	Shut-in Time Final (hrs) <b>15.00</b>	Pst Trt S/I Prs (psi) <b>4,196.0</b>
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Stim/Treat Supervisor <b>LEE</b>	Avg Treat Rate (bbl/min) <b>24</b>	Max Treat Rate (bbl/min) <b>34</b>	Min Treat Rate (bbl/min)	P (avg) (psi) <b>7,677.0</b>	Max Treat Pressure (psi) <b>8,309.0</b>	Min Treat Pressure (psi)
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Breakdown Pressure (psi) <b>5,762.0</b>	Closure Pressure (psi)	Frac Gradient (psi/ft) <b>0.85</b>	Frac Length (ft)	Frac Height (ft)	Frac Width (ft)
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String <b>PRODUCTION, 14,610.0ftKB</b>	Proppant Fm (lb) <b>101,140.0</b>	Proppant in Wellbore (lb)	Proppant Return (lb)	Proppant Design (lb) <b>101,140.0</b>	Comment <b>TREATING PRESSURE HIGH DURING TREATMENT. ALL PROPPANT PUT AWAY</b>
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Max Pump Rating (h...)	Max Pump Power (hp)	Avg Pump Power (hp) <b>4,478.2</b>	V (pumped) (b...) <b>1564.00</b>	V (slurry) (bbl) <b>2408.00</b>	V clean+slurry (bbl) <b>3972.00</b>	V Net (bbl) <b>1564.00</b>	Total Slurry-Recover... <b>2408.00</b>	Total Clean+Slurry... <b>3972.00</b>	V (recov) (bbl)
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<b>FRESH WATER, DELTA 200</b>					
Description	Fluid Density (lb/gal) <b>8.33</b>	Filter Size (in)	Evaluation Method	Comment	

	Add	Units	Conc (%)	Amount
BA40L_PHC		GAL		0.0
BC-200 UC		GAL		133.0
CAT-3		GAL		96.0
CL-31_XLR		GAL		27.0
CLA-WEB		GAL		48.0
LGC-36_GEL		GAL		439.0
LOSURF-300D_SRF		GAL		179.0
SP BREAKER_BRK		GAL		15.0
VICON NF_BRK		GAL		165.0

<b>Stage &lt;Stage Number?&gt;, PROPPANT LADEN FLUID, FRESH WATER</b>					
Start Date <b>4/26/2012 06:00</b>	End Date <b>4/26/2012 12:00</b>	Initial Fluid Rate (bbl/min)	Final Fluid Rate (bbl/min)	Top (ftKB) <b>11,300.0</b>	Bottom (ftKB) <b>11,600.0</b>
Tubing Pressure Start (psi)	Tubing Pressure End (psi)	Casing Pressure Start (psi)	Casing Pressure End (psi)	Clean Volume Pumped (bbl) <b>1564.00</b>	Volume Recovered (bbl)

Gas Type	Gas Rate (scf/day)	Gas Volume (scf)	Cum V clean (bbl) <b>1564.00</b>	Comment
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Additive <b>PROPPANT</b>	Sieve Series <b>100 MESH</b>	Units <b>LB</b>	Amount <b>11,120.0</b>	Type <b>100 MESH</b>	Conc (lb/gal)	Note
Additive <b>PROPPANT</b>	Sieve Series <b>30/50</b>	Units <b>LB</b>	Amount <b>90,020.0</b>	Type <b>SINTERED BAUXITE</b>	Conc (lb/gal)	Note

**BBA MECCA 2-8A2**  
OH - Property #: 063040-001

WEST UNRESTRICTED


**Well Chronology**

District <b>ROCKY MOUNTAIN</b>	County <b>DUCHESNE</b>	Field Name <b>BLUEBELL</b>	Project Group <b>UINTA</b>	State/Province <b>UT</b>
Surface Legal Location <b>8-1-S 2-W-6</b>	API/UWI <b>4301331231</b>	Latitude (DMS) <b>40° 24' 17.172" N</b>	Longitude (DMS) <b>110° 7' 33.204" W</b>	Ground Elev ... KB - GL (ft) <b>5,961.80 21.00</b>
Job Category <b>RECOMPLETION</b>	Primary Job Type <b>COMPLETION</b>	Secondary Job Type <b>ADD PAY</b>	Orig KB Elev (ft) <b>5,982.80</b>	TH Elev (ft) <b>5,960.97</b>
Job Start Date <b>2/23/2012 06:00</b>	Job End Date <b>5/27/2012 06:00</b>	Total WBS + Sup Amount <b>653,000</b>	Total Field Estimated Cost <b>1,083,943</b>	
Contractor, Rig Name <b>PEAK WELL SERVICE</b>	Rig Number <b>1300</b>	Rig Type <b>WO/COMP/PU-ONSHORE</b>		
Job Phase	Act Dur (days)	Pl Cum Days ML (days)	Actual Phase Cost	Planned Likely Phase Cost
				<b>Cost Var ML</b>

<b>Report # 1</b>				
Report Start Date <b>2/23/2012 06:00</b>	Report End Date <b>2/24/2012 06:00</b>	Daily Cost <b>7,550</b>	Cum Cost To Date <b>7,550</b>	Depth End (ftKB) <b>0.0</b>

Time Log Summary  
-CREW TRAVEL SAFETY MEETING ON ROADING RIG

RIG DOWN AND MOVE FROM 2-26A2, WAIT TO GET UNIT SLID, RU AND UNSEAT PUMP, FLUSH WITH 75 BBLs, PULL OUT OF HOLE WITH RODS, LAY DOWN PUMP. SHUT DOWN FOR NIGHT

CREW TRAVEL

FORCAST FOR 2-24-12, PULL SIDE STRING AND TBG. - 24

<b>Report # 2</b>				
Report Start Date <b>2/24/2012 06:00</b>	Report End Date <b>2/25/2012 06:00</b>	Daily Cost <b>6,498</b>	Cum Cost To Date <b>14,048</b>	Depth End (ftKB) <b>0.0</b>

Time Log Summary  
CREW TRAVEL SAFETY MEETING ON PULLING PIPE

ND WELLHEAD AND NU BOPS, UNSTING SIDE STRING AND PULL OUT OF HOLE, ND BOPS RELEASE TAC, NU BOPS AND FLUSH TBG WITH 75 BBLs, PULL OUT OF HOLE WITH 2 7/8" FLUSHING AS NEEDED, SHUT DOWN FOR NIGHT

CREW TRAVEL

FORCAST FOR 2-27-12, PERFORATE - 24

<b>Report # 3</b>				
Report Start Date <b>2/27/2012 06:00</b>	Report End Date <b>2/28/2012 06:00</b>	Daily Cost <b>26,100</b>	Cum Cost To Date <b>40,148</b>	Depth End (ftKB) <b>0.0</b>

Time Log Summary  
CREW TRAVEL SAFETY MEETING ON PERFORATING

RU THE PERFORATORS AND RUN IN HOLE WITH 7" COMPOSITE BRIDGE PLUG, SETTING TOOL WOULD NOT GO OFF PULL OUT OF HOLE FIX SET TOOL AND RUN BACK IN TO HOLE SET PLUG AT 12115' PULL OUT AND RUN IN WITH 1 SK CEMENT SPOT ON TOP OF IT, FILL WITH 367 BBLs AND TEST TO 1000 PSI, PU PERF GUNS RUN IN TO PERFORATE GUNS HAD SHORT IN THEM, PULL OUT OF HOLE FIX GUNS AND RUN BACK IN HOLE PERFORATE AND RIG DOWN THE PERFORATORS, WELL WAS FLOWING SHUT IN FOR NIGHT

CREW TRAVEL

FOR CAST FOR 2-28-12, RUN WIRELINE PACKER - 24

<b>Report # 4</b>				
Report Start Date <b>2/28/2012 06:00</b>	Report End Date <b>2/29/2012 06:00</b>	Daily Cost <b>32,200</b>	Cum Cost To Date <b>72,348</b>	Depth End (ftKB) <b>0.0</b>

Time Log Summary  
CREW TRAVEL SAFETY MEETING ON SETTING PACKER

RU THE PERFORATORS AND PU BAKER W.L. PACKER RUN IN HOLE STACK OUT AT 1800' TOOK 5 HOURS TO GET THRU PARIFIN. SET PACKER AT 11225' AND PULL OUT WITH WIRELINE, RD THE PERFORATORS AND BLEED OFF WELL. RU HYDROTESTER AND PU ON/OFF TOOL START IN HOLE HYDROTESTING, RUN 120 JNTS AND SHUT DOWN FOR NIGHT.

CREW TRAVEL

FORCAST FOR 2-29-12, FINISH TESTING IN HOLE WITH TBG, - 24


**BBA MECCA 2-8A2**  
**OH - Property #: 063040-001**
**WEST UNRESTRICTED****Well Chronology**

District <b>ROCKY MOUNTAIN</b>	County <b>DUCHESNE</b>	Field Name <b>BLUEBELL</b>	Project Group <b>UINTA</b>	State/Province <b>UT</b>			
Surface Legal Location <b>8-1-S 2-W-6</b>	API/UWI <b>4301331231</b>	Latitude (DMS) <b>40° 24' 17.172" N</b>	Longitude (DMS) <b>110° 7' 33.204" W</b>	Ground Elev <b>5,961.80</b>	KB - GL (ft) <b>21.00</b>	Orig KB Elev (ft) <b>5,982.80</b>	TH Elev (ft) <b>5,960.97</b>

<b>Report # 5</b>							
Report Start Date <b>2/29/2012 06:00</b>	Report End Date <b>3/1/2012 06:00</b>	Daily Cost <b>12,350</b>	Cum Cost To Date <b>84,698</b>	Depth End (ftKB) <b>0.0</b>			

Time Log Summary  
**CREW TRAVEL SAFETY MEETING ON ND BOPS**

**FINSISH IN HOLE TESTING TBG SPACE OUT AND LAND 2 7/8, RUN IN WITH 41 STANDS 1.9 EOT 2600' AND LAND, ND BOPS NU WELL HEAD AND RIG UP PUMP, ATTEMPT TO BLOW OUT PLUG GOT TO 3800 PSI WOULD NOT BLOW, SHUT IN FOR NIGHT**

**CREW TRAVEL**

**FORCAST FOR 3-1-12, PUMP ACID JOB. - 24**

<b>Report # 6</b>							
Report Start Date <b>3/1/2012 06:00</b>	Report End Date <b>3/2/2012 06:00</b>	Daily Cost <b>37,650</b>	Cum Cost To Date <b>122,348</b>	Depth End (ftKB) <b>0.0</b>			

Time Log Summary  
**CREW TRAVEL SAFETY MEETING ON PUMPING ACID**

**RIG UP HALLIBURTON FILL AND TEST CSG. TO 1000 PUMP 6000 GALL ACID JOB RD HALLIBURTON START FLOWING WELL RECOVERED 121 BBLS WATER WITH TRACE OF OIL ENDING PRESS. 250 PSI ON 18 CHOKE SHIN**

**CREW TRAVEL - 24**

<b>Report # 7</b>							
Report Start Date <b>3/2/2012 06:00</b>	Report End Date <b>3/3/2012 06:00</b>	Daily Cost <b>8,700</b>	Cum Cost To Date <b>131,048</b>	Depth End (ftKB) <b>0.0</b>			

Time Log Summary  
**CREW TRAVEL SAFETY MEETING ON FLOWING WELL**

**WELL HAD 2400PSI ON IT OPEN TO FLOW WELL BLEW DOWN TO 100 PSI TURN OVER TO TANK BATTERY FLOWED 25.6 BBLS OIL AND 53 BBLS WATER BETWEEN 9AM-6PM**

**SHUT IN FOR NIGHT**

**CREW TRAVEL 3/2/12, 50-BOPD,37-BWPD,20MCFD 3/3/12 33-BOPD,15-BWPD,20-MCFD**  
**3/4/12 20-BOPD,23-BWPD,20-MCFD - 24**

<b>Report # 8</b>							
Report Start Date <b>3/5/2012 06:00</b>	Report End Date <b>3/6/2012 06:00</b>	Daily Cost <b>8,450</b>	Cum Cost To Date <b>139,498</b>	Depth End (ftKB) <b>0.0</b>			

Time Log Summary  
**CREW TRAVEL SAFETY MEETING ON FLOWING WELL**

**CHECK GAUGES AND RU TO TBG WITH MUD PUMP PUMP DOWN TBG WITH 16 BBLS PRODUCTION, WELL PRESS. UP, OPEN WELL FLOWED FOR A FEW MIN AND DIED DOWN TRIED TO STAB B.P.V. IN HANGER WOULD ONLY GET 1.5 THREADS, PUT WELL BACK ON FLOW LINE AND CHECK EVERY HOUR MADE 4" OIL FROM 11:30AM-5:00PM NO WATER AND SOME GAS. SHUT WELL IN FOR NIGHT**

**CREW TRAVEL**

**FORCAST FOR 3-7-12, PULL PKR - 24**

**BBA MECCA 2-8A2**  
OH - Property #: 063040-001

WEST UNRESTRICTED


**Well Chronology**

District	County	Field Name	Project Group	State/Province			
ROCKY MOUNTAIN	DUCHESNE	BLUEBELL	UINTA	UT			
Surface Legal Location	API/UWI	Latitude (DMS)	Longitude (DMS)	Ground Elev ...	KB - GL (ft)	Orig KB Elev (ft)	TH Elev (ft)
8-1-S 2-W-6	4301331231	40° 24' 17.172" N	110° 7' 33.204" W	5,961.80	21.00	5,982.80	5,960.97
<b>Report # 9</b>							
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)			
3/6/2012 06:00	3/7/2012 06:00	8,850	148,348	0.0			
Time Log Summary							
CREW TRAVEL SAFETY MEETING ON SETTING PLUG ON SLICK LINE							
RIG UP SLICK LINE TRUCK AND RUN IN HOLE WITH WAX KNIFE, PULL OUT AND RUN IN WITH 2.31X PLUG SET IN ON/OFF TOOL. PULL OUT OF HOLE STILL HAD PLUG, GOT NEW PLUG AND RUN IN SET IN ON/OFF TOOL. PULL OUT OF HOLE STILL HAD PLUG PUT WELL TO FLOW LINE SHUT IN FOR NIGHT							
CREW TRAVEL - 24							
<b>Report # 10</b>							
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)			
3/7/2012 06:00	3/8/2012 06:00	9,450	157,798	0.0			
Time Log Summary							
CREW TRAVEL SAFETY MEETING ON WIRELINE							
FLOW WELL TO TREATER							
RIG UP PLS SLICK LINE RUN IN HOLE AND TRY TO SET 2.31X PLUG IN ON OFF TOOL, WOULD NOT LATCH IN PULL OUT OF HOLE AND RIG DOWN PLS, TURN WELL TO FLOW LINE AND SHUT DOWN FOR NIGHT							
CREW TRAVEL							
FORCAST FOR 3-8-12, RUN CIBP SET IN TAIL PIPE							
- 24							
<b>Report # 11</b>							
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)			
3/8/2012 06:00	3/9/2012 06:00	19,350	177,148	0.0			
Time Log Summary							
CREW TRAVEL SAFETY MEETING ON WIRELINE							
WAIT ON WIRELINE, RU THE PERFORATORS AND RUN IN HOLE WITH 2 7/8" CIBP, SET IN 6' PUP JNT BELOW PACKER, ND WELL HEAD NU BOPS AND PULL OUT OF HOLE WITH SIDE STRING, RESPACE 2 7/8" AND GET OFF ON/OFF TOOL FILL HOLE AND GET BACK ON ON/OFF TOOL, RUN IN WITH THE PERFORATORS AND SHOOT PERF HOLES ABOVE CIBP, RD THE PERFORATORS AND RELEASE PACKER PULL 6 JNTS AND SHUT DOWN FOR NIGHT.							
CREW TRAVEL							
TOMORROW, PULL PACKER AND RUN PRODUCTION - 24							
<b>Report # 12</b>							
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)			
3/9/2012 06:00	3/10/2012 06:00	8,250	185,398	0.0			
Time Log Summary							
CREW TRAVEL SAFETY MEETING KILL WELL, & PULL OUT OF HOLE W/ PACKER PU PRODUCTION & RUN IN HOLE SIFN							
CREW TRAVEL - 24							
<b>Report # 13</b>							
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)			
3/10/2012 06:00	3/11/2012 06:00	12,600	197,998	0.0			
Time Log Summary							
CREW TRAVEL SAFETY MEETING							
KILL WELL, ND BOPS SET ANCHOR W/20 TENN, NU BOP, RIH W/ SIDE STRING AND LAND W/ 6K COMP, ND BOP NU WELL HEAD RIH W/ ROD PUMP & RODS, SEAT & TEST TO 1,000# GOOD TEST.							
CREW TRAVEL							
24 HOUR PRODUCTION 03-12-2012 (41 OIL / 418 WATER / GAS IS COMING UP) - 24							
<b>Report # 14</b>							
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)			
3/13/2012 06:00	3/14/2012 06:00	1,393	199,391	0.0			
Time Log Summary							
24 HOUR PRODUCTION (142 BOPD / 105 BWPD / 112 MCFPD) MARCH 13 - 24							

**BBA MECCA 2-8A2**  
**OH - Property #: 063040-001**
**WEST UNRESTRICTED**

**Well Chronology**

District	County	Field Name	Project Group	State/Province			
ROCKY MOUNTAIN	DUCHESNE	BLUEBELL	UINTA	UT			
Surface Legal Location	API/UWI	Latitude (DMS)	Longitude (DMS)	Ground Elev ...	KB - GL (ft)	Orig KB Elev (ft)	TH Elev (ft)
8-1-S 2-W-6	4301331231	40° 24' 17.172" N	110° 7' 33.204" W	5,961.80	21.00	5,982.80	5,960.97
<b>Report # 15</b>							
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)			
3/14/2012 06:00	3/15/2012 06:00	350	199,741	0.0			
Time Log Summary							
24 HOUR PRODUCTION (3-14-2012 / 60 BOPD / 43 BWPD / 35 MCFD) - 24							
<b>Report # 16</b>							
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)			
3/15/2012 06:00	3/16/2012 06:00	350	200,091	0.0			
Time Log Summary							
24 HOUR PRODUCTION MARCH 15 (35 BOPD / 23 BWPD / 25 MCFD) - 24							
<b>Report # 17</b>							
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)			
3/16/2012 06:00	3/17/2012 06:00	-1,050	199,041	0.0			
Time Log Summary							
24 HOUR PRODUCTION							
03-16-2012 (35-BOPD/46-BWPD/25-MCFPD)							
03-17-2012 (23-BOPD/21-BWPD/25-MCFPD)							
03-18-2012 (23-BOPD/26-BWPD/25-MCFPD) - 24							
<b>Report # 18</b>							
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)			
3/19/2012 06:00	3/20/2012 06:00	-1,400	197,641	0.0			
Time Log Summary							
24 HOUR PRODUCTION							
MARCH 19 (25-BOPD / 0-BWPD / 25-MCFD) - 24							
<b>Report # 19</b>							
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)			
3/20/2012 06:00	3/21/2012 06:00	0	197,641	0.0			
Time Log Summary							
24 HOUR PRODUCTION							
MARCH 20 2012							
22 - BOPD / 0 - BWPD / 25 - MCFD - 24							
<b>Report # 20</b>							
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)			
3/21/2012 06:00	3/22/2012 06:00	0	197,641	0.0			
Time Log Summary							
24 HOUR PRODUCTION							
MARCH 21 2012							
23 - BOPD / 45 - BWPD / 19 - MCFD - 24							
<b>Report # 21</b>							
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)			
3/22/2012 06:00	3/23/2012 06:00	0	197,641	0.0			
Time Log Summary							
24 HOUR PRODUCTION							
MARCH 22 2012							
17 - BOPD / 0 - BWPD / 19 - MCFD - 24							
<b>Report # 22</b>							
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)			
3/23/2012 06:00	3/24/2012 06:00	0	197,641	0.0			
Time Log Summary							
24 HOUR PRODUCTION							
MARCH 23 2012							
23 - BOPD, 42 - BWPD, 19 - MCFD							
MARCH 24 2012							
18 - BOPD, 0 - BWPD, 19 - MCFD - 24							
<b>Report # 23</b>							
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)			
4/4/2012 06:00	4/5/2012 06:00	7,550	205,191	0.0			
Time Log Summary							
-CREW TRAVEL SAFETY MEETING ON ROADING RIG							
MOVE RIG IN AND RIG UP, SLIDE UNIT, UNSEAT PUMP, FLUSH WITH 75 BBLs, PULL OUT OF HOLE WITH RODS LAYING DOWN, LAY DOWN PUMP. SHUT DOWN FOR NIGHT							
CREW TRAVEL							
FORCAST FOR 4-5-12, PULL SIDE STRING AND TBG. - 24							

**BBA MECCA 2-8A2**  
OH - Property #: 063040-001

WEST UNRESTRICTED

**Well Chronology**

District <b>ROCKY MOUNTAIN</b>	County <b>DUCHESNE</b>	Field Name <b>BLUEBELL</b>	Project Group <b>UINTA</b>	State/Province <b>UT</b>			
Surface Legal Location 8-1-S 2-W-6	API/UWI 4301331231	Latitude (DMS) 40° 24' 17.172" N	Longitude (DMS) 110° 7' 33.204" W	Ground Elev 5,961.80	KB - GL (ft) 21.00	Orig KB Elev (ft) 5,982.80	TH Elev (ft) 5,960.97

**Report # 24**

Report Start Date 4/5/2012 06:00	Report End Date 4/6/2012 06:00	Daily Cost 7,515	Cum Cost To Date 212,706	Depth End (ftKB) 0.0
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## Time Log Summary

CREW TRAVEL SAFETY MEETING ON PULLING PIPE

ND WELLHEAD AND NU BOPS, UNSTING SIDE STRING AND PULL OUT OF HOLE LAYING DOWN. ND BOPS RELEASE TAC, NU BOPS AND FLUSH TBG WITH 75 BBLs, PULL OUT OF HOLE WITH 200 JNTS 2 7/8" LAYING DOWN FLUSHING AS NEEDED, SHUT DOWN FOR NIGHT

CREW TRAVEL

FORCAST FOR 4-9-12, FINISH LAYING DOWN 2 7/8 START PICKING UP 4.5 TBG - 24

**Report # 25**

Report Start Date 4/9/2012 06:00	Report End Date 4/10/2012 06:00	Daily Cost 16,790	Cum Cost To Date 229,496	Depth End (ftKB) 0.0
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## Time Log Summary

CREW TRAVEL SAFETY MEETING ON PICKING UP 4.5 TBG.

CONTINUE LAYING DOWN 174 JNTS 2 7/8" TBG AND RIG UP WEATHERFORD CSG CREW. UNLOAD 4.5 TBG. AND SHUT DOWN FOR NIGHT

CREW TRAVEL

FOR CAST FOR 4-10-12, PU 4.5 TBG. - 24

**Report # 26**

Report Start Date 4/10/2012 06:00	Report End Date 4/11/2012 06:00	Daily Cost 8,090	Cum Cost To Date 237,586	Depth End (ftKB) 0.0
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## Time Log Summary

CREW TRAVEL SAFETY MEETING ON RUNNING 4.5 TBG

RU NEW TONGS AND START IN HOLE WITH 7" PACKER AND 4.5 TBG, RUN IN WITH 160 JNTS AND SHUT IN FOR NIGHT

CREW TRAVEL - 24

**Report # 27**

Report Start Date 4/11/2012 06:00	Report End Date 4/12/2012 06:00	Daily Cost 36,790	Cum Cost To Date 274,376	Depth End (ftKB) 0.0
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## Time Log Summary

CREW TRAVEL SAFETY MEETING ON SETTING PACKER

CONTINUE IN HOLE WITH 200 JNTS 4.5 TBG. SET PACKER AT 11248' AND RIG DOWN WEATHERFORD CSG CREW. FILL AND TEST CSG TO 1000 PSI FOR 15 MIN. SHUT DOWN FOR NIGHT

CREW TRAVEL - 24

**Report # 28**

Report Start Date 4/12/2012 06:00	Report End Date 4/13/2012 06:00	Daily Cost 19,950	Cum Cost To Date 294,326	Depth End (ftKB) 0.0
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## Time Log Summary

CREW TRAVEL SAFETY MEETING ON STEAM CLEANING

HOOK UP FLOW BACK LINE AND GET READY FOR FRAC JOB.

CREW TRAVEL

FORCAST FOR 4-13-12 FRAC JOB - 24

**Report # 29**

Report Start Date 4/13/2012 06:00	Report End Date 4/14/2012 06:00	Daily Cost 130,300	Cum Cost To Date 424,626	Depth End (ftKB) 0.0
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## Time Log Summary

CREW TRAVEL SAFETY MEETING ON FRACING

RU HALLIBURTON AND PUMP FRAC. SHUT DOWN FOR NIGHT

CREW TRAVEL - 24

**BBA MECCA 2-8A2**  
**OH - Property #: 063040-001**
**WEST UNRESTRICTED**

**Well Chronology**

District <b>ROCKY MOUNTAIN</b>	County <b>DUCHESNE</b>	Field Name <b>BLUEBELL</b>	Project Group <b>UINTA</b>	State/Province <b>UT</b>
Surface Legal Location <b>8-1-S 2-W-6</b>	API/UWI <b>4301331231</b>	Latitude (DMS) <b>40° 24' 17.172" N</b>	Longitude (DMS) <b>110° 7' 33.204" W</b>	Ground Elev ... KB - GL (ft) <b>5,961.80 21.00</b>
				Orig KB Elev (ft) <b>5,982.80</b>
				TH Elev (ft) <b>5,960.97</b>

**Report # 30**

Report Start Date <b>4/14/2012 06:00</b>	Report End Date <b>4/15/2012 06:00</b>	Daily Cost <b>9,850</b>	Cum Cost To Date <b>434,476</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

CREW TRAVEL SAFETY MEETING ON RIGGING UP WIRELINE

RU WIRELINE AND RUN IN HOLE WITH GAMARAY, TAG UP AT 13891', RD WIRELINE AND PUT NEW DRILL LINE ON RIG, SHUT DOWN FOR NIGHT

CREW TRAVEL

FORCAST FOR 4-16-12, PULL 4.5 TBG AND PACKER - 24

**Report # 31**

Report Start Date <b>4/16/2012 06:00</b>	Report End Date <b>4/17/2012 06:00</b>	Daily Cost <b>6,750</b>	Cum Cost To Date <b>441,226</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

CREW TRAVEL SAFETY MEETING ON LAYING DOWN 4.5

CHECK PRESSURES TBG 150 PSI CSG 0 PSI, RU WEATHERFORD CSG CREW AND BLEED DOWN TBG. RELEASE PACKER AND START OUT OF HOLE LAYING DOWN 4.5 TBG. LAYED DOWN 200 JNTS AND SHUT IN FOR NIGHT

CREW TRAVEL

FORCAST FOR 4-17-12, FINISH LAYING DOWN - 24

**Report # 32**

Report Start Date <b>4/17/2012 06:00</b>	Report End Date <b>4/18/2012 06:00</b>	Daily Cost <b>17,350</b>	Cum Cost To Date <b>458,576</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

CREW TRAVEL SAFETY MEETING ON LAYING DOWN TBG

BLEED DOWN WELL HAD 150 PSI ON CSG AND TBG, CONTINUE LAYING DOWN 4.5 TBG AND PACKER, RD WEATHERFORD CSG CREW AND CHANGE OVER TO 2 7/8" EQUIP. SHUT DOWN FOR NIGHT.

CREW TRAVEL

FORCAST FOR 4-18-12, SET CIBP AND PICK UP TBG. - 24

**Report # 33**

Report Start Date <b>4/18/2012 06:00</b>	Report End Date <b>4/19/2012 06:00</b>	Daily Cost <b>139,050</b>	Cum Cost To Date <b>597,626</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

CREW TRAVEL SAFETY MEETING ON WIRELINE

RU THE PERFORATORS AND RUN IN WITH HALLIBURTON CIBP SET AT 12109' MAKE TWO DUMP BAILER RUNS AND SPOT 3 SKS CEMENT ON TOP OF PLUG, RD PERFORATORS AND RU HYDROTESTER PU 7" PACKER AND START TESTING IN HOLE WITH 2 7/8" TBG, RUN 85 JNTS AND SHUT DOWN FOR NIGHT

CREW TRAVEL - 24

**Report # 34**

Report Start Date <b>4/19/2012 06:00</b>	Report End Date <b>4/20/2012 06:00</b>	Daily Cost <b>24,350</b>	Cum Cost To Date <b>621,976</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

CREW TRAVEL SAFETY MEETING ON PICKING UP PIPE

BLEED OFF WELL AND CONTINUE PICKING UP 2 7/8" TESTING. SET PACKER AT 12053' AND FILL TBG, PRESSURE TEST TO 1000 PSI WITH HOT OILER, SHUT DOWN FOR NIGHT.

CREW TRAVEL

FORCAST FOR 4-20-12, RU HALLIBURTON AND PRESSURE TEST PLUG TO 8600 PSI. - 24

**BBA MECCA 2-8A2**  
OH - Property #: 063040-001

WEST UNRESTRICTED

**Well Chronology**

District <b>ROCKY MOUNTAIN</b>	County <b>DUCHESNE</b>	Field Name <b>BLUEBELL</b>	Project Group <b>UINTA</b>	State/Province <b>UT</b>
Surface Legal Location <b>8-1-S 2-W-6</b>	API/UWI <b>4301331231</b>	Latitude (DMS) <b>40° 24' 17.172" N</b>	Longitude (DMS) <b>110° 7' 33.204" W</b>	Ground Elev ... KB - GL (ft) <b>5,961.80 21.00</b>
				Orig KB Elev (ft) <b>5,982.80</b>
				TH Elev (ft) <b>5,960.97</b>

**Report # 35**

Report Start Date <b>4/20/2012 06:00</b>	Report End Date <b>4/21/2012 06:00</b>	Daily Cost <b>21,650</b>	Cum Cost To Date <b>643,626</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

CREW TRAVEL SAFTEY MEETING ON PRESSURE TESTING

RU HALLIBURTON , AND PRESSURE TEST PLUG TO 8500 PSI AND HOLD 15 MINUTES. HAD HOT OILER HOLD 1000 PSI ON CSG WHILE TESTING. RD HALLIBURTON AND ACTION, RELEASE PACKER AND PULL OUT OF HOLE LAYING DOWN WITH 389 JNTS SHUT IN FOR NIGHT.

CREW TRAVEL

FORCAST FOR 4-23-12, RUN 4.5 TBG - 24

**Report # 36**

Report Start Date <b>4/23/2012 06:00</b>	Report End Date <b>4/24/2012 06:00</b>	Daily Cost <b>15,550</b>	Cum Cost To Date <b>659,176</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

CREW TRAVEL SAFTEY MEETING ON RUNNING 4.5 TBG

BLEED DOWN WELL AND RIG UP WEATHERFORD CSG CREW. PU 7" BAKER PACKER AND START PU 4.5 TBG PICKED UP 140 JNTS AND WELL STARTED BLOWING. SHUT IN AND WATCHED FOR 20 MIN WELL WOULD NOT DIE. SHUT DOWN FOR NIGHT

CREW TRAVEL

FORCAST FOR 4-24-12, FINISH RUNNING 4.5 - 24

**Report # 37**

Report Start Date <b>4/24/2012 06:00</b>	Report End Date <b>4/25/2012 06:00</b>	Daily Cost <b>21,150</b>	Cum Cost To Date <b>680,326</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

CREW TRAVEL SAFETY MEETING ON RUNNING 4.5 TBG.

CONTINUE RUNNING IN HOLE PICKING UP 4.5" TBG. HAD TO SHUT DOWN AND KILL TBG AS NEEDED SET PACKER AT 11217' AND RD WEATHERFORD CSG CREW, RU HOT OILER ON CSG FILL AND TEST TO 1000 PSI AND HOLD FOR 5 MIN. SHUT WELL IN FOR NIGHT

CREW TRAVEL

FORCAST FOR 4-25-12, ROD SCHOOL - 24

**Report # 38**

Report Start Date <b>4/25/2012 06:00</b>	Report End Date <b>4/26/2012 06:00</b>	Daily Cost <b>19,550</b>	Cum Cost To Date <b>699,876</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

CREW TRAVEL SAFETY MEETING ON RU HALLIBURTON

RU HALLIBURTON FRAC AND GET READY FOR FRAC, ROD SCHOOL SHUT DOWN FOR NIGHT

CREW TRAVEL

FORCAST FOR 4-26-12, FRAC WELL - 24

**BBA MECCA 2-8A2**  
OH - Property #: 063040-001

WEST UNRESTRICTED

**Well Chronology**

District <b>ROCKY MOUNTAIN</b>	County <b>DUCHESNE</b>	Field Name <b>BLUEBELL</b>	Project Group <b>UINTA</b>	State/Province <b>UT</b>
Surface Legal Location <b>8-1-S 2-W-6</b>	API/UWI <b>4301331231</b>	Latitude (DMS) <b>40° 24' 17.172" N</b>	Longitude (DMS) <b>110° 7' 33.204" W</b>	Ground Elev ... <b>5,961.80</b>
			KB - GL (ft) <b>21.00</b>	Orig KB Elev (ft) <b>5,982.80</b>
				TH Elev (ft) <b>5,960.97</b>

**Report # 39**

Report Start Date <b>4/26/2012 06:00</b>	Report End Date <b>4/27/2012 06:00</b>	Daily Cost <b>156,850</b>	Cum Cost To Date <b>856,726</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

-CREW TRAVEL SAFETY MEETING ON FRACING

RU HALLIBURTON AND PUMP FRAC JOB, RD HALLIBURTON AND RU FLOW LINE.

OPEN UP WELL TO FLOW, BEGINING PSI 3600 PSI,

FLOWED WELL MADE TOTAL OF 1085BBLs, ENDING PSI 400, GAS AND OIL CUT WATER, 25% OIL 75% WATER.

FORCAST FOR 2-27-12 CONTINUE FLOWING WELL - 24

**Report # 40**

Report Start Date <b>4/27/2012 06:00</b>	Report End Date <b>4/28/2012 06:00</b>	Daily Cost <b>12,450</b>	Cum Cost To Date <b>869,176</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

FLOW WATCH WELL

4-28-2012 103 BOPD---110 BWPD---68 MCFPD

4-30-2012 76 BOPD---35 BWPD--- 54 MCFPD - 24

4-29-2012 88 BOPD---38 BWPD ---54 MCFPD

**Report # 41**

Report Start Date <b>4/30/2012 06:00</b>	Report End Date <b>5/1/2012 06:00</b>	Daily Cost <b>17,250</b>	Cum Cost To Date <b>886,426</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

CREW TRAVEL SAFETY MEETING ON WIRELINE

RU THE PERFORATORS AND RUN G.R. LOG, TAG SAND AT 12020' RD THE PERFORATORS AND DO RIG MAITNANCE ON RIG. SHUT DOWN FOR NIGHT

CREW TRAVEL PROD F/5-1-2012 62 BOPD--30 BWPD--45 MCFPD - 24

**Report # 42**

Report Start Date <b>5/1/2012 06:00</b>	Report End Date <b>5/2/2012 06:00</b>	Daily Cost <b>8,450</b>	Cum Cost To Date <b>894,876</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

PRODUCTION F/ 5/2/2012

3 BWPD

51 BOPD

48 MCFPD - 24

**Report # 43**

Report Start Date <b>5/2/2012 06:00</b>	Report End Date <b>5/3/2012 06:00</b>	Daily Cost <b>8,450</b>	Cum Cost To Date <b>903,326</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

PRODUCTION FOR 5-3-2012

49--BOPD 35--BWPD 48--MCFPD - 24

**Report # 44**

Report Start Date <b>5/3/2012 06:00</b>	Report End Date <b>5/4/2012 06:00</b>	Daily Cost <b>19,950</b>	Cum Cost To Date <b>923,276</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

CREW TRAVEL SAFETY MEETING ON KILLING WELL

RU HOT OILER AND ATTEMPT TO KILL TBG, PUMPED 150 BBLs DOWN TBG PRESSURED UP TO 2500 PSI, LET SET FOR 1.5 HOURS PRESSURE AT 1400, FLOW BACK SLOWLY, CHANGE OUT TBG VALVES WITH WELL FLOWING WATER BACK, RELEASE PACKER AND PUT WELL ON FLOW LINE FOR NIGHT, SHUT DOWN FOR NIGHT

CREW TRAVEL

PROD.FOR 5/3/2012 80--BOPD 139--BWPD 24--MCFPD

FORCAST FOR 5-4-12, KILL WELL AND PULL 4.5 TBG - 24

**BBA MECCA 2-8A2**  
OH - Property #: 063040-001

WEST UNRESTRICTED

**Well Chronology**

District <b>ROCKY MOUNTAIN</b>	County <b>DUCHESNE</b>	Field Name <b>BLUEBELL</b>	Project Group <b>UINTA</b>	State/Province <b>UT</b>
Surface Legal Location <b>8-1-S 2-W-6</b>	API/UWI <b>4301331231</b>	Latitude (DMS) <b>40° 24' 17.172" N</b>	Longitude (DMS) <b>110° 7' 33.204" W</b>	Ground Elev ... KB - GL (ft) <b>5,961.80 21.00</b>
				Orig KB Elev (ft) <b>5,982.80</b>
				TH Elev (ft) <b>5,960.97</b>

**Report # 45**

Report Start Date <b>5/4/2012 06:00</b>	Report End Date <b>5/5/2012 06:00</b>	Daily Cost <b>17,650</b>	Cum Cost To Date <b>940,926</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

CREW TRAVEL SAFETY MEETING ON PUMPING WATER

RU RIG PUMP AND PUMP 432 BBLS DOWN CSG UP TBG.. SHUT IN WELL PRESSURED UP TO 75PSI ON CSG AND TBG OPEN TBG FLOWED BACK, SHUT DOWN FOR NIGHT

CREW TRAVEL

FORCAST FOR 5-7-12, PUMP BRINE

0 PROD. FOR WEEKEND PROD.F/5/7/2012 6--BOPD 31--BEPD 0--MCFPD - 24

**Report # 46**

Report Start Date <b>5/7/2012 06:00</b>	Report End Date <b>5/8/2012 06:00</b>	Daily Cost <b>17,250</b>	Cum Cost To Date <b>958,176</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

CREW TRAVEL SAFETY MEETING ON PULLING PIPE

KILL WELL WITH 10# BRINE WATER AND START LAYING DOWN 4.5# TBG, LAYED DOWN HALF OF TBG. SHUT WELL IN FOR NIGHT.

CREW TRAVEL

FORCAST FOR 5-8-12, FINISH LAYING DOWN TBG. - 24

**Report # 47**

Report Start Date <b>5/8/2012 06:00</b>	Report End Date <b>5/9/2012 06:00</b>	Daily Cost <b>22,150</b>	Cum Cost To Date <b>980,326</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

CREW TRAVEL SAFETY MEETING ON LAYING DOWN 4.5

PUMP 20 BBLS BRINE DOWN TBG AND 30 DOWN CSG. CONTINUE LAYING DOWN 4.5 TBG, GET OUT OF HOLE AND CHANGE OVER TO 2 7/8" EQUIP. PU NEW PACKER AND RUN IN HOLE PICKING UP 2 7/8", PU TOTAL OF 362 JNTS SHUT IN FOR NIGHT

CREW TRAVEL

FORCAST FOR 5-9-12, RUN SIDE STRING - 24

**Report # 48**

Report Start Date <b>5/9/2012 06:00</b>	Report End Date <b>5/10/2012 06:00</b>	Daily Cost <b>13,550</b>	Cum Cost To Date <b>993,876</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

CREW TRAVEL SAFETY MEETING ON RUNNING 1.9

SET PACKER WITH 16K COMPRESSION AND LAND ON HANGER, RUN IN HOLE WITH 70 JNTS 1.9 AND LAND ON DONUT, ND BOPS AND NU WELLHEAD HOOK UP SWAB EQUIP. MAKE 12 SWAB RUNS AND RECOVER 72 BBLS WATER. SHUT WELL IN FOR NIGHT.

CREW TRAVEL

FORCAST FOR 5-10-12, SWAB WELL - 24

**BBA MECCA 2-8A2**  
OH - Property #: 063040-001

WEST UNRESTRICTED


**Well Chronology**

District <b>ROCKY MOUNTAIN</b>	County <b>DUCHESNE</b>	Field Name <b>BLUEBELL</b>	Project Group <b>UINTA</b>	State/Province <b>UT</b>			
Surface Legal Location <b>8-1-S 2-W-6</b>	API/UWI <b>4301331231</b>	Latitude (DMS) <b>40° 24' 17.172" N</b>	Longitude (DMS) <b>110° 7' 33.204" W</b>	Ground Elev <b>5,961.80</b>	KB - GL (ft) <b>21.00</b>	Orig KB Elev (ft) <b>5,982.80</b>	TH Elev (ft) <b>5,960.97</b>

**Report # 49**

Report Start Date <b>5/10/2012 06:00</b>	Report End Date <b>5/11/2012 06:00</b>	Daily Cost <b>6,350</b>	Cum Cost To Date <b>1,000,226</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

CREW TRAVEL SAFETY MEETING ON FLOWING WELL

CHECK PRESSURES, TBG 750 PSI, CSG 0 PSI- OPEN WELL UP ON 14 CHOKE AND START FLOWING, ENDING PRESSURE 65PSI FULLY OPEN, FLOWED A TOTAL OF 23 BBLS OIL, 31.54 BBLS WATER, LEAVE WELL FLOWING TO TREATER SDFN

CREW TRAVEL

FORCAST FOR 5-11-12 - 24

**Report # 50**

Report Start Date <b>5/11/2012 06:00</b>	Report End Date <b>5/12/2012 06:00</b>	Daily Cost <b>25,050</b>	Cum Cost To Date <b>1,025,276</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

CREW TRAVEL SAFETY MEETING ON LOGGING

RU PLS AND RUN PRODUCTION LOG ON WELL, RD PLS AND SHUT DOWN FOR NIGHT

CREW TRAVEL

FORCAST FOR 5-14-12, UNKNOWN

5-12-2012 53-BOPD 91-BWPD 31-MCFPD 5-13-2012 45-BOPD 32-BWPD 52-MCFPD 5-14-2012 45-BOPD 22-BWPD 52-MCFPD - 24

**Report # 51**

Report Start Date <b>5/14/2012 06:00</b>	Report End Date <b>5/15/2012 06:00</b>	Daily Cost <b>7,650</b>	Cum Cost To Date <b>1,032,926</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

CREW TRAVEL SAFETY MEETING ON PULLING PIPE

KILL TBG WITH 60 BBLS BRINE WATER, ND WELLHEAD AND NU BOPS PULL OUT OF HOLE WITH 68 JNTS 1.9 TBG., CHANGE OVER TO 2 7/8" EQUIP. RELEASE PACKER AND PULL OUT OF HOLE., LAY DOWN PACKER AND PU 6" BIT AND BIT SUB RUN IN HOLE WITH 100 JNTS 2 7/8" SHUT IN FOR NIGHT

CREW TRAVEL

FORCAST FOR 5-15-12, FINISH IN HOLE AND CLEAN OUT SAND - 24

**Report # 52**

Report Start Date <b>5/15/2012 06:00</b>	Report End Date <b>5/16/2012 06:00</b>	Daily Cost <b>9,950</b>	Cum Cost To Date <b>1,042,876</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

CREW TRAVEL SAFETY MEETING ON CLEANING OUT

WELL WAS DEAD CONTINUE IN HOLE WITH 2 7/8" TBG., RU POWER SWIVEL AND TAG UP FILL AT 12016', CLEAN OUT TO 12094 WITH 6" BIT, CIRC WELL CLEAN AND RD POWER SWIVEL, PULL 40 JNTS TO GET ABOVE PERFS. SHUT IN FOR NIGHT

CREW TRAVEL

FORCAST FOR 5-16-12, RUN PRODUCTION - 24

**BBA MECCA 2-8A2**  
OH - Property #: 063040-001

WEST UNRESTRICTED

**Well Chronology**

District <b>ROCKY MOUNTAIN</b>	County <b>DUCHESNE</b>	Field Name <b>BLUEBELL</b>	Project Group <b>UINTA</b>	State/Province <b>UT</b>
Surface Legal Location <b>8-1-S 2-W-6</b>	API/UWI <b>4301331231</b>	Latitude (DMS) <b>40° 24' 17.172" N</b>	Longitude (DMS) <b>110° 7' 33.204" W</b>	Ground Elev ... <b>5,961.80</b>
			KB - GL (ft) <b>21.00</b>	Orig KB Elev (ft) <b>5,982.80</b>
				TH Elev (ft) <b>5,960.97</b>

**Report # 53**

Report Start Date <b>5/16/2012 06:00</b>	Report End Date <b>5/17/2012 06:00</b>	Daily Cost <b>9,550</b>	Cum Cost To Date <b>1,052,426</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

CREW TRAVEL SAFETY MEETING ON RUNNING PRODUCTION

KILL WELL WITH 250 BBLS BRINE WATER, RUN IN WITH 40 JNTS TAG UP AT 12094' PULL OUT OF WITH 395 JNTS 2 7/8", LAY DOWN BIT AND BIT SUB, PU 3.5 GAS ANCHOR, 2 7/8" SEAT NIPPLE, 1 JNT, 7" ANCHOR, 165 JNTS, 7" CIRC SHOE, 209 JNTS, SHUT IN FOR NIGHT

CREW TRAVEL

FORCAST 5-17-12 - 24

**Report # 54**

Report Start Date <b>5/17/2012 06:00</b>	Report End Date <b>5/18/2012 06:00</b>	Daily Cost <b>6,818</b>	Cum Cost To Date <b>1,059,244</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

-CREW TRAVEL SAFETY MEETING ON RUNNING SIDE STRING

ND BOPS AND SET ANCHOR WITH 20K TENSION, NU BOPS AND RUN IN WITH SIDE STRING 216 JNTS AND LAND WITH 6K COMPRESSION, ND BOPS NU WELL HEAD AND CHANGE OVER TO ROD EQUIP. SHUT DOWN FOR NIGHT

CREW TRAVEL - 24

**Report # 55**

Report Start Date <b>5/18/2012 06:00</b>	Report End Date <b>5/19/2012 06:00</b>	Daily Cost <b>9,518</b>	Cum Cost To Date <b>1,068,762</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

CREW TRAVEL SAFETY MEETING ON RUNNING RODS

PU AND TEST NEW PUMP, PICK UP RODS AS PER DETAIL, SPACE OUT AND SEAT PUMP PRESSURE TEST TO 1000 PSI AND STROKE TEST 4 STROKES TO 1000 PSI, RD WORKOVER UNIT AND SLIDE PUMPING UNIT COULD NOT GET ROTOFLEX DOWN, SHUT DOWN FOR NIGHT

CREW TRAVEL

FORCAST FOR 5-21-12, MOVE TO SQUIRES - 24

**Report # 56**

Report Start Date <b>5/20/2012 06:00</b>	Report End Date <b>5/21/2012 06:00</b>	Daily Cost <b>0</b>	Cum Cost To Date <b>1,068,762</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

PRODUCTION - 2 DAYS

5/19/12 - 0 BOPD, 284 BWPD, 0 MCFPD

5/20/12 - 0 BOPD, 215 BWPD, 0 MCFPD - 24

**Report # 57**

Report Start Date <b>5/21/2012 06:00</b>	Report End Date <b>5/22/2012 06:00</b>	Daily Cost <b>15,000</b>	Cum Cost To Date <b>1,083,762</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

24 HR PRODUCTION - 0 BOPD, 120 BWPD, 0 MCFPD - 24

**Report # 58**

Report Start Date <b>5/22/2012 06:00</b>	Report End Date <b>5/23/2012 06:00</b>	Daily Cost <b>-510</b>	Cum Cost To Date <b>1,083,252</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

24 HR PRODUCTION - 0 BOPD, 115 BWPD, 9 MCFPD - RECOVERED 40 BBL OIL FM WATER TANK. - 24

**Report # 59**

Report Start Date <b>5/23/2012 06:00</b>	Report End Date <b>5/24/2012 06:00</b>	Daily Cost <b>0</b>	Cum Cost To Date <b>1,083,252</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

24 HR PRODUCTION - 0 BOPD, 105 BWPD, 0 MCFPD - 24

**Report # 60**

Report Start Date <b>5/24/2012 06:00</b>	Report End Date <b>5/25/2012 06:00</b>	Daily Cost <b>0</b>	Cum Cost To Date <b>1,083,252</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

24 HR PRODUCTION - 60 BOPD, 75 BWPD, 14 MCFPD, 12 HR DOWN P/U REPAIR - 24

**BBA MECCA 2-8A2**  
OH - Property #: 063040-001

WEST UNRESTRICTED


**Well Chronology**

District <b>ROCKY MOUNTAIN</b>	County <b>DUCHESNE</b>	Field Name <b>BLUEBELL</b>	Project Group <b>UINTA</b>	State/Province <b>UT</b>			
Surface Legal Location <b>8-1-S 2-W-6</b>	API/UWI <b>4301331231</b>	Latitude (DMS) <b>40° 24' 17.172" N</b>	Longitude (DMS) <b>110° 7' 33.204" W</b>	Ground Elev <b>5,961.80</b>	KB - GL (ft) <b>21.00</b>	Orig KB Elev (ft) <b>5,982.80</b>	TH Elev (ft) <b>5,960.97</b>

**Report # 61**

Report Start Date <b>5/25/2012 06:00</b>	Report End Date <b>5/26/2012 06:00</b>	Daily Cost <b>691</b>	Cum Cost To Date <b>1,083,943</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

## WEEKEND PRODUCTION -

5/26 - 55 BOPD, 136 BWPD, 35 MCFPD

5/27 - 80 BOPD, 63 BWPD, 52 MCFPD

5/28 - 80 BOPD, 94 BWPD, 56 MCFPD

5/29 - 90 BOPD, 63 BWPD, 56 MCFPD - 24

**Report # 62**

Report Start Date <b>5/26/2012 06:00</b>	Report End Date <b>5/27/2012 06:00</b>	Daily Cost <b>0</b>	Cum Cost To Date <b>1,083,943</b>	Depth End (ftKB) <b>0.0</b>
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## Time Log Summary

24 HR PRODUCTION - 106 BOPD, 63 BWPD, 59 MCFPD - 24

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: 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: MECCA 2-8A2
2. NAME OF OPERATOR: DEVON ENERGY PROD CO LP	9. API NUMBER: 43013312310000
3. ADDRESS OF OPERATOR: 333 W Sheridan Ave , Oklahoma City, OK, 73102 5015	PHONE NUMBER: 405 228-4248 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 08 Township: 01.0S Range: 02.0W Meridian: U	9. FIELD and POOL or WILDCAT: BLUEBELL
	COUNTY: DUCHESNE
	STATE: UTAH

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

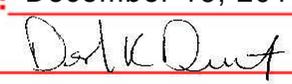
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 12/12/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Recomplete"/>

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

Devon Energy Production Co., L.P. (Devon) respectfully requests permission to recomplete the subject well. Please find attached the recompletion plan. Thank you.

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

**Date:** December 16, 2013

**By:** 

NAME (PLEASE PRINT) Julie Patrick	PHONE NUMBER 405 228-8684	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 12/4/2013	

## **DEVON ENERGY PRODUCTION COMPANY RECOMPLETION PROCEDURE**

### **MECCA 2-8A2 SESE SECTION 8, T1S, R2W DUCHESNE COUNTY, UTAH**

#### **OBJECTIVE:**

Add additional intervals in the Lower Green River and acidize. Comingle and put well back on pump.

#### **JUSTIFICATION:**

The Mecca 2-8A2 was originally completed in the Wasatch in 1989 from 12,156'-14,580'. Additional perforations in the Wasatch were added in 2012 from 11,314'-12,020'. The well is currently producing ~30 BOPD, ~82 MCFPD, and ~124 BWPD. There are several mudlog shows in this zone and nearby wells have been successful producing from the Lower Green River.

The existing interval will be temporarily isolated with a bridge plug. The LGR will be perforated and acidized in two stages, from 10,153'-11,302'. These stages will be tested and comingled with the current producing intervals.

#### **WELL DATA:**

API Number:	43-013-31329
Completed:	October 1989
Surface Casing:	9 5/8" at 4620'
Production casing:	7" 23/26/293 set at 14610'.
Perforations:	12156-14580, 1989 11314-12020, 2012

#### **WELL HISTORY:**

08-15-89      Perforated 12156-14580', 76 intervals, 1085', 2170 holes.

- 08-20-89 Acidized perforations 12156-14580' with 80,000 gals 7.5% acid in eight stages using benzoic acid flakes, wax beads, rock salt and balls for diversion. Noted good breaks and diversion during the job.
- 10-19-89 Installed submersible pump.
- 5-28-93 Converted from sub pump to rod pump.
- 08-14-93 Acidized perforations 12156-14580' with 80,000 gals 15% HCL with 4000 balls for diversion and 22,000 lbs of benzoic acid flakes.
- 12-03-97 Installed Rotaflex pumping unit.
- 01-30-04 Lowered seating nipple to 12,123', 1-3/4" rod pump.
- 6-8-07 Repair tubing leak. SN @ 12,127.78'
- 2-27-12 Set CIBP w/ 1 sxs cement @ 12109'
- 2-27-12 Perforate 11314'-12020', 6 intervals, 24', 24 holes.
- 3-1-12 Acidize perms 11314'-12020' with 6000 gal 7 1/2% HCL and 36 bioballs.  
4-13-12 Frac 11300'-11600' down 4 1/2" frac string. RIH and set CIBP @ 12109' with 1 sxs cement. CIBP failed and slid down hole. Tag PBTD @ 13891'
- 4-18-12 RIH with Halliburton CIBP & set at 12109' with 3 sxs sand.
- 4-26-12 Frac 11300'-11600' down 4 1/2" frac string.
- 8-24-12 Reperforate BTM 3 zones

**PROCEDURE:**

1. RDMO pumping unit.
2. MIRU workover rig with pump and tank. Test the dead men prior to moving in and rigging up.
3. POOH with rods & pump, 1.9" tubing side string, 2-7/8" production tubing.
4. RU Electric Line and TIH with a 7" RBP and set at ~11310', dump 1 sk of sand on top. Load casing and pressure test casing to 1,000 psi.

5. Rig up wireline with a full lubricator and grease for pressure control. Perforate Stage One 10,781'-11,302' overall as per perforation detail.
6. TIH with 2-7/8" tubing and a 7" treating packer and set at ~10,700'.
7. Swab test the interval prior to acidizing to determine the rate, oil cut and fluid level. Catch an oil sample for compatibility testing with the acid.
8. Acidize the interval with 10,000 gals of 15% HCl with standard additives and 450 bio-ball sealers for diversion.
9. Swab test to determine rate, cut and fluid level. Swab until the pH is five or greater.
10. Release packer and POOH.
11. RU Electric Line, TIH and recover RBP, set at ~10,755', dump 1 sk of sand on top. Load casing and pressure test casing to 1,000 psi.
12. Rig up wireline with a full lubricator and grease for pressure control. Perforate Stage Two 10,781'-11,302' overall as per perforation detail.
13. TIH with 2-7/8" tubing and a 7" treating packer and set at ~10,050'.
14. Swab test the interval prior to acidizing to determine the rate, oil cut and fluid level. Catch an oil sample for compatibility testing with the acid.
15. Acidize the interval with 10,000 gals of 15% HCl with standard additives and 400 bio-ball sealers for diversion.
16. Swab test to determine rate, cut and fluid level. Swab until the pH is five or greater.
17. Release packer and POOH. TIH and recover RBP.
18. Run production equipment and put well on pump.

<b>STAGE 1 PROPOSED</b>							
Perfs picked on Schlumberger Dual Laterolog Micro-SFL Dated 12-Jul-1989							
<b>No.</b>	<b>Perforated Interval</b>		<b>Feet</b>	<b>SPF</b>	<b>Holes</b>	<b>CBL Depth</b>	<b>Comments</b>
1	10781	10785	4	2	8		
2	10796	10798	2	2	4		
3	10804	10808	4	2	8		
4	10811	10813	2	2	4		
5	10818	10820	2	2	4		
6	10830	10832	2	2	4		
7	10848	10850	2	2	4		
8	10867	10869	2	2	4		
9	10880	10882	2	2	4		
10	10886	10888	2	2	4		
11	10896	10898	2	2	4		
12	10903	10905	2	2	4		
13	10918	10920	2	2	4		
14	10924	10926	2	2	4		
15	10934	10944	10	2	20		
16	10950	10952	2	2	4		
17	10954	10956	2	2	4		
18	11052	11058	6	2	12		
19	11070	11072	2	2	4		
20	11075	11079	4	2	8		
21	11081	11083	2	2	4		
22	11092	11094	2	2	4		
23	11104	11108	4	2	8		
24	11112	11114	2	2	4		
25	11120	11122	2	2	4		
26	11126	11134	8	2	16		
27	11170	11172	2	2	4		
28	11206	11208	2	2	4		
29	11220	11230	10	2	20		
30	11234	11238	4	2	8		
31	11260	11262	2	2	4		
32	11270	11272	2	2	4		
33	11278	11280	2	2	4		
34	11284	11292	8	2	16		
35	11300	11302	2	2	4		

<b>Total Number of Intervals</b>	35
<b>Total Feet of Perforations</b>	112
<b>Total Number of Holes</b>	224

<b>STAGE 2 PROPOSED</b>							
Perfs picked on Schlumberger Dual Laterolog Micro-SFL Dated 12-Jul-1989							
<b>No.</b>	<b>Perforated Interval</b>		<b>Feet</b>	<b>SPF</b>	<b>Holes</b>	<b>CBL Depth</b>	<b>Comments</b>
1	10153	10155	2	2	4		
2	10160	10162	2	2	4		
3	10172	10176	4	2	8		
4	10188	10190	2	2	4		
5	10210	10214	4	2	8		
6	10237	10239	2	2	4		
7	10254	10256	2	2	4		
8	10260	10262	2	2	4		
9	10267	10269	2	2	4		
10	10277	10279	2	2	4		
11	10324	10328	4	2	8		
12	10337	10339	2	2	4		
13	10354	10356	2	2	4		
14	10372	10374	2	2	4		
15	10386	10388	2	2	4		
16	10400	10402	2	2	4		
17	10416	10424	8	2	16		
18	10440	10442	2	2	4		
19	10446	10452	6	2	12		
20	10456	10460	4	2	8		
21	10472	10480	8	2	16		
22	10522	10524	2	2	4		
23	10553	10555	2	2	4		
24	10570	10572	2	2	4		
25	10590	10592	2	2	4		
26	10596	10598	2	2	4		
27	10614	10618	4	2	8		
28	10626	10628	2	2	4		
29	10637	10639	2	2	4		
30	10646	10648	2	2	4		
31	10674	10676	2	2	4		
32	10680	10682	2	2	4		
33	10686	10688	2	2	4		
34	10713	10715	2	2	4		
35	10720	10722	2	2	4		
36	10727	10729	2	2	4		

<b>Total Number of Intervals</b>	36
<b>Total Feet of Perforations</b>	98
<b>Total Number of Holes</b>	196

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

AMENDED REPORT  FORM 8  
(highlight changes)

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

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 **RECOMPLETE**

2. NAME OF OPERATOR: **Devon Energy Production CO., LP**

3. ADDRESS OF OPERATOR: **333 West Sheridan AVE** CITY **Oklahoma City** STATE **OK** ZIP **73102** PHONE NUMBER: **(405) 228-8684**

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE: **660' FSL & 660' FEL**  
AT TOP PRODUCING INTERVAL REPORTED BELOW: **660' FSL & 660' FEL**  
AT TOTAL DEPTH: **660' FSL & 660' FEL**

5. LEASE DESIGNATION AND SERIAL NUMBER:  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
7. UNIT or CA AGREEMENT NAME:  
8. WELL NAME and NUMBER: **Mecca 2-8A2**

9. API NUMBER: **4301331231**

10. FIELD AND POOL, OR WILDCAT: **Bluebell**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **SESE 8 1S 2W**

12. COUNTY: **Duchesne** 13. STATE: **UTAH**

14. DATE SPUNDED: **5/8/1989** 15. DATE T.D. REACHED: **7/11/1989** 16. DATE COMPLETED: **1/23/2014** ABANDONED  READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL): **5981.8'**

18. TOTAL DEPTH: MD **14,615** TVD \_\_\_\_\_ 19. PLUG BACK T.D.: MD **8,126** TVD \_\_\_\_\_ 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):  
**Logs were not run for this recompletion.**

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
12 1/4	9 5/8	40#	0	4,620		class G <b>1845</b>		CIR	
8 3/4	7	29#	21	14,610		class G <b>3445</b>			

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	6,496							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) WASATCH	11,292	10,153			10,781 11,292	.34	220	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)					10,153 10,729	.34	196	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
10781'-11292'	Acidized w/ 10000 gal 15% Hcl
10153'-10729'	Acidized w/ 10000 gal 15% Hcl

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**

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 8/24/1989	TEST DATE: 1/30/2014	HOURS TESTED: 24	TEST PRODUCTION RATES: →	OIL – BBL: 23	GAS – MCF: 22	WATER – BBL: 352	PROD. METHOD: ROD/PUMP
CHOKE SIZE: 3.40	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

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: →	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: →	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: →	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.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				GREEN RIVER	6,748
				EVACUATION CREEK	7,530
				PARACHUTE CREEK	8,630
				MAHOGANY BENCH	8,766
				TGR3 MARKER	10,016
				GR MARKER	10,914
				WASATCH/TOP RED BEDS	11,390
				BASE RED BEDS	13,350

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) JULIE CARLSON TITLE REGULATORY ANALYST  
 SIGNATURE *Julie Carlson* DATE 4/1/14

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 Phone: 801-538-5340  
 1594 West North Temple, Suite 1210  
 Box 145801 Fax: 801-359-3940  
 Salt Lake City, Utah 84114-5801



GARY R. HERBERT  
Governor  
SPENCER J. COX  
Lieutenant Governor

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

July 28, 2014

Linda S. Walker  
DEVON ENERGY PROD CO LP  
333 W Sheridan Ave  
Oklahoma City, OK 73102

RE: Designation of Workover or Recompletion, Form 15.

Dear Linda S. Walker,

Enclosed is a copy of the referenced form received by the Division of Oil, Gas and Mining for the MECCA 2-8A2 well (43013312310000). Total expenses in the amount of \$ 499692.00 were submitted for the Production Enhancement work that commenced on December 10, 2013 and was completed on January 23, 2014.

Some of the submitted expenses on the referenced form were associated with work that does not fall within the statutory definition of workover or recompletion and/or insufficient information was supplied to enable the Division to evaluate the submitted expense.

Deductions were subtracted from the total submitted expenses for the following work:

***Rodstring fishing and repair or replacement***

***Therefore, your request for designation of the expenses as qualifying workover recompletion expenses is being approved in part for the amount of \$ 477965.00.***

Please contact me at (801) 538-5281 if you require further information regarding this matter. Thank you.

Sincerely,

Dustin K Doucet  
Petroleum Engineer

Enclosures

cc: Utah Tax Commission w/enclosure  
Operator file

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

FORM 15

AMENDED REPORT

Original Filing Date: 4/14/2014

**DESIGNATION OF WORKOVER OR RECOMPLETION**

<b>1. Name of Operator</b> DEVON ENERGY PROD CO LP	<b>2. Utah Account Number</b> 81275.0	<b>5. Well Name and Number</b> MECCA 2-8A2
<b>3. Address of Operator</b> State Zip 333 W Sheridan Ave Oklahoma City OK 73102	<b>4. Phone Number</b> 405 228-4248	<b>6. API Number</b> 4301331231
<b>9. Location of Well</b>  Footage: 0660 FSL 0660 FEL County: DUCHESNE QQ, Sec, Twnp, Rnge: SESE 08 010S 020W State : UTAH		<b>7. Field Name</b> BLUEBELL
		<b>8. Field Code Number</b> 65

**COMPLETE ALL SECTIONS. ATTACH ADDITIONAL SHEETS IF NEEDED.**

<b>10. TYPE OF WORK (Check all that apply)</b> <input type="checkbox"/> Production enhancement <input checked="" type="checkbox"/> Recompletion <input type="checkbox"/> Convert to injection <input type="checkbox"/> Repair well	<b>11. WORK PERIOD</b> Date work commenced: 12/10/2013 <b>81 Days From</b> Date work completed: 1/23/2014 <b>Completion</b>	
<b>12. THE FOLLOWING EXPENSES ARE SUBMITTED FOR DESIGNATION AS WORKOVER OR RECOMPLETION EXPENSES:</b>		
<u>Description Of Work</u>	<u>Expenses</u>	<u>Approved By State</u>
a. Location preparation and cleanup	5526.00	5526.00
b. Move-in, rig-up, and rig-down (including trucking)	0.00	0.00
c. Rig charges (including fuel)	208326.00	208326.00
d. Drill pipe or other working string	10422.00	10422.00
e. Water and chemicals for circulating fluid (including water hauling)	23441.00	23441.00
f. Equipment purchase	21727.00	0.00
g. Equipment rental	65058.00	65058.00
h. Cementing	0.00	0.00
i. Perforating	0.00	0.00
j. Acidizing	1042.00	1042.00
k. Fracture stimulation	104039.00	104039.00
l. Logging services	38969.00	38969.00
m. Supervision and overhead	21142.00	21142.00
n. Other (itemize)	0.00	0.00
0	0.00	0.00
0	0.00	0.00
o. Total submitted expenses	499692.00	
p. Total approved expenses (State use only)		477965.00

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: July 28, 2014

By: 

13. LIST CONTRACTORS PROVIDING SERVICES VALUED AT MORE THAN \$3,000.		
Contractor	Location (City, State)	Services Provided
Action Hot Oil Service	Roosevelt UT	fluid disposal
Arnie Powell Trucking	Roosevelt UT	fluid disposal
Central Hydraulic Inc	Laurel MS	rental tools
Dalbo Inc	Vernal UT	rental tools
Graco Fishing and Rental	Vernal UT	rental tools
Halliburton Energy Serv	Houston TX	fracture stimulation
Knight-Taylor-Wyatt LLC	Roosevelt UT	trucking hauling
Mountain West Propane Inc	Roosevelt UT	propane
Peak Well Service LLC	Park City UT	rig and crew
Rod Lift Consulting LLC	Edmond OK	sucker rods

14. LIST WORKING INTEREST OWNERS WHO TAKE PRODUCT IN KIND AND ARE AUTHORIZED TO SHARE IN THE TAX CREDIT.			
Name	Address	Utah Account No.	Percent of Interest

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

NAME (PLEASE PRINT) Linda S. Walker

TITLE Staff Accountant

PHONE 405 228-8240

SIGNATURE Linda S. Walker

DATE April 14, 2014

E-MAIL linda.walker@dvn.com

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:

**8/29/2014**

<b>FROM:</b> (Old Operator): DEVON ENERGY PRODUCTION COMPANY L.P. N1275 333 WEST SHERIDAN AVENUE OKLAHOMA CITY OK 73102-5015	<b>TO:</b> ( New Operator): LINN OPERATING INC N4115 1999 BROADWAY STE 3700 DENVER CO 80202  303-999-4275
---	--

WELL NAME	CA No.	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

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/16/2014
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/16/2014
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 10/8/2014
- a. Is the new operator registered in the State of Utah:            Business Number: 9031632-0143
- a. (R649-9-2)Waste Management Plan has been received on: Yes
- b. Inspections of LA PA state/fee well sites complete on: N/A
- c. Reports current for Production/Disposition & Sundries on: 10/8/2014
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM NOT YET BIA NOT YET
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 9/24/2014

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 10/8/2014
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 10/8/2014
- Bond information entered in RBDMS on: 10/8/2014
- Fee/State wells attached to bond in RBDMS on: 10/8/2014
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: 10/8/2014
- Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: 9/16/2014

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: NMB000501
- Indian well(s) covered by Bond Number: NMB000501
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number LPM9149893
- b. The **FORMER** operator has requested a release of liability from their bond on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 10/8/2014

**COMMENTS:**

Devon Energy Production Company, L.P. N1275 to Linn Operating, Inc N4115  
Effective 8/29/2014

Well Name	Section	Township	Range AP	API Number	Entity	Mineral Lease	Well Type	Well Status
SWD 4-11A2	11	010S	020W	4301320255	99990	Fee	WD	A
VIRGIL MECHAM 1-11A2	11	010S	020W	4301330009	5760	Fee	WD	A
1-3A2	3	010S	020W	4301330021	99990	Fee	WD	A
BLUEBELL 2-28A2	28	010S	020W	4301330346	99990	Fee	WD	A
SALERATUS 2-17C5	17	030S	050W	4301330388	99990	Fee	WD	A
CENTRAL BLUEBELL 2-26A2	26	010S	020W	4301330389	99990	Fee	WD	A
BALLARD 2-15B1	15	020S	010W	4304732351	11476	Fee	WD	A
GALLOWAY #3-14B2	14	020S	020W	4301351741		Fee	OW	APD
GALLOWAY #3-12B2	12	020S	020W	4301351742		Fee	OW	APD
GALLOWAY 4-14B2	14	020S	020W	4301351818		Fee	OW	APD
MORRIS #3-8B1	8	020S	010W	4301351836		State	OW	APD
FRITZ #3-24A2	24	010S	020W	4301351837		Fee	OW	APD
GALLOWAY #2-14B2	14	020S	020W	4301351739	19044	Fee	OW	DRL
EMERALD 2-32A1	32	010S	010W	4301350059	17980	Fee	OW	OPS
CLYDE MURRAY 1-2A2	2	010S	020W	4301330005	5876	Fee	OW	P
VICTOR C BROWN 1-4A2	4	010S	020W	4301330011	5780	Fee	OW	P
DOUG BROWN 2-4A2	4	010S	020W	4301330017	5840	Fee	OW	P
L BOREN U 3-15A2	15	010S	020W	4301330086	5755	Fee	OW	P
LAMICQ-URTY U 3-17A2	17	010S	020W	4301330099	5745	Fee	OW	P
L BOREN U 5-22A2	22	010S	020W	4301330107	5900	Fee	OW	P
L BOREN U 4-23A2	23	010S	020W	4301330115	5905	Fee	OW	P
TOMLINSON FED 1-25A2	25	010S	020W	4301330120	5535	Federal	OW	P
WOODWARD 1-21A2	21	010S	020W	4301330130	5665	Fee	OW	P
LAMICQ 1-20A2	20	010S	020W	4301330133	5400	Fee	GW	P
L RBRTSN ST 1-1B2	1	020S	020W	4301330200	5410	State	OW	P
SMITH ALBERT 1-8C5	8	030S	050W	4301330245	5490	Fee	OW	P
FRESTON ST 1-8B1	8	020S	010W	4301330294	5345	Fee	OW	P
GEORGE MURRAY 1-16B1	16	020S	010W	4301330297	5950	Fee	OW	P
LAMICQ-URTY U 4-5A2	5	010S	020W	4301330347	5845	Fee	OW	P
H G COLTHARP 1-15B1	15	020S	010W	4301330359	5945	Fee	OW	P
STATE 3-18A1	18	010S	010W	4301330369	5810	Fee	OW	P
LAMICQ 2-6B1	6	020S	010W	4301330809	2301	Fee	OW	P
DILLMAN 2-28A2	28	010S	020W	4301330821	5666	Fee	OW	P
HAMBLIN 2-26-A2	26	010S	020W	4301330903	5361	Fee	OW	P
JOHN 2-3-B2	3	020S	020W	4301330975	5387	Fee	OW	P
LAMICQ-ROBERTSON ST 2-1B2	1	020S	020W	4301330995	5412	Fee	OW	P
UTE TRIBAL 2-7A2	7	010S	020W	4301331009	5836	Indian	OW	P
HATCH 2-3B1	3	020S	010W	4301331147	10615	Fee	OW	P
NORLING 2-9B1	9	020S	010W	4301331151	10616	Fee	OW	P
SHAW 2-27A2	27	010S	020W	4301331184	10753	Fee	OW	P
LAMICQ-URRITY 4-17A2	17	010S	020W	4301331190	10764	Fee	OW	P
LAMICQ 2-20A2	20	010S	020W	4301331191	10794	Fee	OW	P
FRESTON 2-8B1	8	020S	010W	4301331203	10851	Fee	OW	P
WISSE 3-35A2	35	010S	020W	4301331215	10925	Fee	OW	P
MECCA 2-8A2	8	010S	020W	4301331231	10981	Fee	OW	P
SWYKES 2-21A2	21	010S	020W	4301331235	10998	Fee	OW	P
SHERMAN 2-12B2	12	020S	020W	4301331238	11009	Fee	OW	P
DUNCAN 4-2A2	2	010S	020W	4301331276	11258	Fee	GW	P
HAMBLIN 3-9A2	9	010S	020W	4301331278	11094	Fee	GW	P
BAR-F 2-5B1	5	020S	010W	4301331286	11113	Fee	OW	P
SMITH 2-9C5	9	030S	050W	4301331321	11245	Fee	OW	P
LORANGER 2-24A2	24	010S	020W	4301331322	11244	Fee	OW	P
UTE 2-6B3	6	020S	030W	4301331325	11446	Indian	OW	P
MCELPRANG 2-30A1	30	010S	010W	4301331326	11252	Fee	OW	P

Devon Energy Production Company, L.P. N1275 to Linn Operating, Inc N4115  
 Effective 8/29/2014

Well Name	Section	Township	Range AP	API Number	Entity	Mineral Lease	Well Type	Well Status
SMITH 2-7C5	7	030S	050W	4301331327	11324	Indian	OW	P
SMITH 2-18C5	18	030S	050W	4301331328	11336	Indian	OW	P
UTE 2-24A3	24	010S	030W	4301331329	11339	Indian	OW	P
UTE 5-19A2	19	010S	020W	4301331330	11277	Indian	OW	P
EDWARDS 3-10B1	10	020S	010W	4301331332	11264	Fee	OW	P
SUNDANCE 4-15A2	15	010S	020W	4301331333	11269	Fee	OW	P
LORANGER 6-22A2	22	010S	020W	4301331334	11335	Fee	OW	P
COX 2-36A2	36	010S	020W	4301331335	11330	Fee	OW	P
SMITH 2-6C5	6	030S	050W	4301331338	11367	Indian	OW	P
FRESTON 2-7B1	7	020S	010W	4301331341	11338	Fee	OW	P
PEARSON 2-11B2	11	020S	020W	4301331356	11359	Fee	OW	P
CHAPMAN 2-4B2	4	020S	020W	4301331378	11485	Fee	OW	P
LAMB 2-16A2	16	010S	020W	4301331390	11487	Fee	OW	P
LABRUM 2-23A2	23	010S	020W	4301331393	11514	Fee	OW	P
POWELL 2-16B1	16	020S	010W	4301331820	12342	Fee	OW	P
BOWMAN 5-5A2	5	010S	020W	4301332202	13043	Fee	OW	P
BOREN 4-9A2	9	010S	020W	4301332203	13079	Fee	OW	P
BLANCHARD 3-10A2	10	010S	020W	4301332223	13149	Fee	OW	P
SQUIRES 3-8A2	8	010S	020W	4301332227	13176	Fee	OW	P
BROWN 3-4A2	4	010S	020W	4301332684	14673	Fee	OW	P
GALLOWAY 3-11B2	11	020S	020W	4301334304	18527	Fee	OW	P
OWL AND THE HAWK 3-9C5	9	030S	050W	4301351214	18649	Fee	OW	P
Bingham #3-4B1	4	020S	010W	4301351464	18825	Fee	OW	P
RED MOUNTAIN 3-5B1	5	020S	010W	4301351632	18954	Fee	OW	P
MECHAM #3-1B2	1	020S	020W	4301351844	19082	State	OW	P
MIKE AND SHELLEY #3-4B2	4	020S	020W	4301351845	19083	Fee	OW	P
RBRTSN UTE ST 1-12B1	12	020S	010W	4304730164	5475	Fee	OW	P
MAY UTE FED 1-13B1	13	020S	010W	4304730176	5435	Fee	OW	P
COOK 1-26B1	26	020S	010W	4304731981	11212	Fee	OW	P
CHRISTIANSEN 2-12B1	12	020S	010W	4304732178	11350	Fee	OW	P
RICH 2-13B1	13	020S	010W	4304732744	12046	Fee	OW	P
THOMAS 4-10B1	10	020S	010W	4304734080	13284	Fee	OW	P
HAMAKER 3-12B1	12	020S	010W	4304752294	18650	Fee	OW	P
BETTS 2-26B1	26	020S	010W	4304752435	18698	Fee	OW	P
STATE 1-10A2 (3-10C)	10	010S	020W	4301330006	5860	State	GW	S
L BOREN U 6-16A2	16	010S	020W	4301330123	5750	Fee	OW	S
UTE TRIBAL 1-6B3	6	020S	030W	4301330136	5705	Indian	OW	S
MAUREL TAYLOR FEE 1-36A2	36	010S	020W	4301330143	5525	Fee	OW	S
CAMPBELL UTE ST 1-7B1	7	020S	010W	4301330236	5295	Indian	OW	S
D L GALLOWAY 1-14B2	14	020S	020W	4301330564	5965	Fee	OW	S
MARK 2-25A2	25	010S	020W	4301331232	10986	Fee	OW	S
MITCHELL 2-4B1	4	020S	010W	4301331317	11231	Fee	OW	S

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>See Attached Well List</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: <u>See Attached Well List</u>
2. NAME OF OPERATOR: <u>LINN OPERATING, INC</u> <u>N4115</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: <u>1999 Broadway, Suite 3700</u> CITY <u>Denver</u> STATE <u>CO</u> ZIP <u>80202</u>		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____		8. WELL NAME and NUMBER: <u>See Attached Well List</u>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		9. API NUMBER:
COUNTY: <u>Duchsene/Uintah</u>		10. FIELD AND POOL, OR WILDCAT: <u>Bluebell/Altamont</u>
STATE: <u>UTAH</u>		

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

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

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

Effective 08/29/2014, Change of Operator from Devon Energy Production Company, LP, to Linn Operating, Inc. is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under their blanket state bond number LPM9149893.

Attached is a list of wells that are associated with this Change of Operator.

Devon Energy Production Company, LP N1275  
333 West Sheridan Avenue  
Oklahoma City, OK 73102-5015

  
\_\_\_\_\_  
John D. Raines  
Vice President

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SEP 16 2014  
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Russell des Cognets II TITLE Asset Manager  
SIGNATURE Russell des Cognets DATE 9/8/14

(This space for State use only)  
**APPROVED**  
**OCT 08 2014**  
DIV. OIL GAS & MINING  
BY: Rachael Medina

(See Instructions on Reverse Side)

**Devon Energy Production Company, LP**  
**Existing Well List for State/Fee/Indian Leases**

Well Name	API #	Legal Location	Producing Status	Well Type	Lease Type	Field	State	County
BAR F 2-5B1	430133128600	005-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BINGHAM 3-4B1	430135146400	004-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BLANCHARD 3-10A2	430133222300	010-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
<del>BOREN 1-14A2</del>	430133003500	014-001S-002W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 3-11A2	430133119200	011-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 3-15A2	430133008600	015-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 4-23A2	430133011500	023-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 4-9A2	430133220300	009-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 5-22A2	430133010700	022-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 6-16A2	430133012300	016-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOWMAN 5-5A2	430133220200	005-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BROWN DOUG 2-4A2	430133001700	004-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BROWN VICTOR C 1-4A2	430133001100	004-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BROWN 3-4A2	430133268400	004-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
CAMPBELL UTE ST 1-7B1	430133023600	007-002S-001W	Shut-In	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
CHAPMAN 2-4B2	430133137800	004-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
CLYDE MURRAY 1-2A2	430133000500	002-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
COLTHARP 1-15B1	430133035900	015-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
CORNABY 2-14A2 (RECOMP)	430133129900	014-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
COX 2-36A2	430133133500	036-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
DILLMAN 2-28A2	430133082100	028-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
DUNCAN 4-2A2	430133127600	002-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
EDWARDS 3-10B1	430133133200	010-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
FRESTON STATE 1-8B1	430133029400	008-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
FRESTON 2-7B1	430133134100	007-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
FRESTON 2-8B1	430133120300	008-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
GALLOWAY 1-14B2	430133056400	014-002S-002W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
GALLOWAY 3-11B2	430133430400	011-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
HAMBLIN 2-26A2	430133090300	026-001S-002W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
HAMBLIN 3-9A2	430133127800	009-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
HATCH 2-3B1	430133114700	003-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
JOHN 2-3B2	430133097500	003-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LABRUM 2-23A2	430133139300	023-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMB 2 16A2	430133139000	016-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ ROBERTSON 1-1B2	430133020000	001-002S-002W	Producing	OIL	STATE	BLUEBELL ALTAMONT	UT	DUCHESNE

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LAMICQ ROBERTSON 2-1B2	430133099500	001-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ URRUTY 3-17A2	430133009900	017-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ URRUTY 4-17A2	430133119000	017-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ URRUTY 4-5A2	430133034700	005-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ 1-20A2	430133013300	020-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ 2-20A2	430133119100	020-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ 2-6B1	430133080900	006-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LORANGER 2-24A2	430133132200	024-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LORANGER 6-22A2	430133133400	022-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MARK 2 25A2	430133123200	025-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MCCELPRANG 2-30A1	430133132600	030-001S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MECCA 2-8A2	430133123100	008-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MECHAM VIRGIL B 1-11A2 SWD	430133000900	011-001S-002W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MECHAM 3-1B2	430135184400	1-2S-2W	Producing	OIL	STATE	BLUEBELL ALTAMONT	UT	DUCHESNE
MIKE AND SHELLEY 3-4B2	430135184500	4-2S-2W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MITCHELL 2-4B1	430133131700	004-002S-001W	Shut-in	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MURRAY GEORGE 1-16B1	430133029700	016-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
NORLING 2-9B1	430133115100	009-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
OWL AND THE HAWK 3-9C5	430135121400	9-003S-005W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
PEARSON 2-11B2	430133135600	011-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
POWELL 2 16B1	430133182000	016-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
RED MOUNTAIN 3-5B1	430135163200	05-2S-1W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SHAW 2-27A2	430133118400	027-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SHERMAN 2-12B2	430133123800	012-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SMITH ALBERT 1-8C5	430133024500	008-003S-005W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SMITH 2-18C5	430133132800	018-003S-005W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
SMITH 2-6C5	430133133800	006-003S-005W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
SMITH 2-7C5	430133132700	007-003S-005W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
SMITH 2-9C5	430133132100	009-003S-005W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SQUIRES 3-8A2	430133222700	008-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
STATE 1-10A2	430133000600	010-001S-002W	Producing	OIL	STATE	BLUEBELL ALTAMONT	UT	DUCHESNE
STATE 3-18A1	430133036900	018-001S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SUNDANCE 4 15A2 (BOREN)	430133133300	015-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SWD ANDERSON 2-28A2	430133034600	028-001S-002W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SWD HAMBLIN 2-26A2	430133038900	026-001S-002W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SWD SALERATUS 2-17C5	430133038800	017-003S-005W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SWD 1-3A2	430133002100	003-001S-002W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SWD 4-11A2	430132025500	011-001S-002W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE

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SWYKES 2 21A2	430133123500	021-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
TAYLOR MAUREL FEE 1-36A2	430133014300	036-001S-002W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
TOMLINSON 1 25A2	430133012000	025-001S-002W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE TRIBAL 2-7A2	430133100900	007-001S-002W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE TRIBAL 5-19A2	430133133000	019-001S-002W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE 1-6B3	430133013600	006-002S-003W	Shut-In	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE 2-24A3	430133132900	024-001S-003W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE 2-6B3	430133132500	006-002S-003W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
WISSE 3-35A2	430133121500	035-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
WOODWARD 1-21A2	430133013000	021-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BALLARD 2-15B1 SWD	430473235100	015-002S-001W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	UINTAH
BETTS 2-26B1	430475243500	26-2S-1W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
CHRISTENSEN 2-12B1	430473217800	012-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
COOK 1-26B1	430473198100	026-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
HAMAKER 3-12B1	430475229400	12-2S-1W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
MAY UTE FED 1-13B1	430473017600	013-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
RICH 2-13B1	430473274400	013-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
ROBERTSON UTE STATE 1-12B1	430473016400	012-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
THOMAS 4-10B1	430473408000	010-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH

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DIV. OF OIL, GAS & MINING

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>See Attached Well List</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>See Attached Well List</u>		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: <b>LINN OPERATING, INC</b>		8. WELL NAME and NUMBER: <b>See Attached Well List</b>
3. ADDRESS OF OPERATOR: 1999 Broadway, Suite 3700    CITY: Denver    STATE: CO    ZIP: 80202		9. API NUMBER:
PHONE NUMBER: <b>(303) 999-4275</b>		10. FIELD AND POOL, OR WILDCAT: <b>Bluebell/Altamont</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____		COUNTY: <b>Duchsene</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		STATE: <b>UTAH</b>

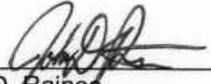
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input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

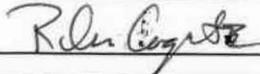
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective 08/29/2014, Change of Operator from Devon Energy Production Company, LP, to Linn Operating, Inc. is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under their blanket state bond number LPM9149893 .

Attached is a list of Applications for Permit to Drill (APD) that are associated with this Change of Operator.

Devon Energy Production Company, LP  
333 West Sheridan Avenue  
Oklahoma City, OK 73102-5015

  
\_\_\_\_\_  
John D. Raines  
Vice President

NAME (PLEASE PRINT) <u>Russell des Cognets II</u>	TITLE <u>Asset Manager</u>
SIGNATURE 	DATE <u>9/16/14</u>

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**APPROVED**

**OCT 08 2014**

DIV. OIL GAS & MINING

BY: Rachael Medina

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

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:

**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:  
Misc.

2. NAME OF OPERATOR:  
LINN OPERATING, INC.

9. API NUMBER:

3. ADDRESS OF OPERATOR:      PHONE NUMBER:  
1999 Broadway, Ste #3700      Denver      CO      80202      (303) 999-4016

10. FIELD AND POOL, OR WILDCAT:  
Bluebell

4. LOCATION OF WELL  
FOOTAGES AT SURFACE:  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:      14    1S    2W

COUNTY:      UINTAH  
STATE:      UTAH

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

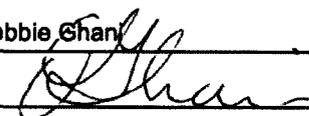
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input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

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

Do not process Change of Operator from Devon Energy Production Company, LP to LINN Operating, Inc. for the following wells.

- 43-013-31192 BOREN 3-11A2      Oil Well Producing BLUEBELL DUCHESNE 1S-2W Sec 11
- 43-013-51846 MIKE AND SHELLEY #4-14A2      Oil Well Approved permit (APD) BLUEBELL DUCHESNE 1S-2W Sec14
- 43-013-31299 CORNABY 2-14A2      Oil Well Producing BLUEBELL DUCHESNE 1S-2W Sec 14
- 43-013-30035 FLY/DIA L BOREN 1-14A2      Oil Well Shut-In BLUEBELL DUCHESNE 1S-2W Sec 14

The Devon transaction to Linn Energy allowed EP Energy to exercise their preferential right to purchase the leases and wells in Sections 11 and 14 of T1S, 2W so EP Energy now owns these wells.

NAME (PLEASE PRINT) Debbie Chan      TITLE Reg. Compliance Supervisor  
SIGNATURE       DATE 9/23/2014

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