

| | | | | | |
|-----------------------|----------|---------------------|-------------------------|-----------------|---------------------------|
| DATE IN 2.2.12 | SUSPENSE | ENGINEER WVJ | LOGGED IN 2.2.12 | TYPE SWD | APP NO 120335 7323 |
|-----------------------|----------|---------------------|-------------------------|-----------------|---------------------------|

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



RECEIVED
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260737

BEU Wackberry 34 Federal SWD #1

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

A-34-19S-31E

Eddy/Fed

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☒ Application is One Which Requires Published Legal Notice

[D] ☒ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

131 7551-14500

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Sandra J. Belt
Print or Type Name

Sandra J. Belt
Signature

Sr. Reg. Clerk
Title

1-30-12
Date

sjbelt@basspet.com
e-mail Address

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage
Application qualifies for administrative approval? Yes No
- II. OPERATOR: BOPCO, L.P.
ADDRESS: P O Box 2760 Midland Tx 79702
CONTACT PARTY: Sandra J. Belt ext. 7379 PHONE: (432)683-2277
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? Yes X No
If yes, give the Division order number authorizing the project: _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: Sandra J. Belt ext. 7379 TITLE: Sr. Regulatory Clerk
SIGNATURE: *Sandra J. Belt* DATE: 01/30/2012
E-MAIL ADDRESS: sjbelt@basspet.com
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

III. Well Data

A. 1) Lease name:

BEU Hackberry 34 Federal SWD

Well #:

1

Section:

34

Township:

T19S

Range:

R31E

Footage:

800' FNL 825' FEL

2) Casing Info:

| Casing size | Set depth | Sacks cmt | Hole size | TOC | Method |
|---------------------------|---------------|-----------|-----------|---------|------------|
| 30" 157.68#, X52, PE | 60 | 0 | 36" | NA | NA |
| 20" 94# K-55 BTC | 800 | 1,575 | 26" | Surface | Circulated |
| 16" 84# HC N-80 BTC | 2,700' | 1,670 | 17-1/2" | Surface | Circulated |
| | 4,400' w/DV @ | | | | |
| 10-3/4" 45.5# HC N-80 STC | 2,800' | 2,070 | 14-3/4" | Surface | Circulated |
| | 13,755 w/ DV | | | | |
| 7-5/8" 39# HC L-80 | @ 7,500' | 1,325 | 9-7/8" | 2,400' | Volume |

3) Tubing to be used (size, lining material, setting depth):
4-1/2", 12.75#, L-80 IP @ 13,690'

4) Name, model, and depth of packer to be used:
FA Permanent Packer @ 13,690'

B. 1) Name of the injection formation and, if applicable, the field or pool name:
Devonian

2) The injection interval and whether it is perforated or open hole:
Open Hole - 13,755' - 14,500'

3) State if the well was drilled for injection or, if not, the original purpose of the well:
Drill and complete as a disposal well.

4) Give the depths of any other perforated intervals and detail on the sacks of cement or BPs used to seal off such perforations:
NA

5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any:
Higher: Lower Morrow @ 12,628 Lower: NA

C-108 DATA

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

| Well Name | No. | API | Operator | Type | Location | Surface Casing | Construction Intermediate Casing | Production Casing | Tubing | Spud Date | Comp Date | TD | Perforations | Stimulation |
|-------------|-----|--------------|------------------|------|-----------|--|----------------------------------|------------------------------|--------|-----------|-----------|---------|--------------|-------------|
| Jones, C.A. | 1 | 30-015-05791 | MidWest Refining | P&A | 8/1/1929 | 330' FSL 330' FWL 20" @ 120'; No cmt. | NA | 12-1/2" @ 253'; No cmt. Data | NA | 5/5/1929 | NA | 502' | NA | NA |
| BEU | 4 | 30-015-10564 | Perry R. Bass | P&A | 9/22/1978 | Sec. 26, T19S, R31E Data 660' FSL 1980' FEL 13-3/8" @ 683' w/475 | 8-5/8" @ 3980', w/450 | 4-1/2" @ 11,470' w/450 | NA | 5/27/1965 | 7/2/1965 | 11,470' | NA | NA |
| BEU | 5 | 30-015-10565 | Perry R. Bass | P&A | 8/14/1969 | Sec. 27, T19S, R31E SXS 1980' FWL 660' FNL 13-3/8" @ 690' w/500 | 8-5/8" @ 3935', w/2,050 | 4-1/2" @ 11,486' w/330 | NA | 7/19/1965 | 8/27/1965 | 11,486' | NA | NA |
| | | | | | | Sec. 26, T19S, R31E SXS | SXS | SXS | | | | | | |

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected: 20,000 average, 30,000 BMPD
2. Whether the system is open or closed: closed
3. Proposed average and maximum injection pressure: 2,000 psi average, 2,748 psi maximum
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water: water will be produced from the Delaware
5. If injection is for disposal purposes into a zone not productive of oil & gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water: n/a

VIII.

Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with TDS of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval:

Lithologic Detail Carbonate
Geological Name Devonian
Thickness: 759'
Depth: 13,755 - 14,500'

The Rustler Formation is a known source of fresh water throughout this geographic area. Average depth of Rustler is 905'-1520'. No sources of fresh water are known to exist below the proposed disposal zone.

IX. Describe the proposed stimulation program, if any:

The new perfs will be perforated and acidized with approximately 37,950 gallons of 15% NEEF HCL per foot of effective porosity.

X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted.) Logs will be made available once well is drilled.

XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
No water wells within 1 mile of this well.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrology connection between the disposal zone and any underground sources of drinking water.

Applicant hereby affirms that he has examined the available geologic and engineering data and finds no evidence of open faults, or other hydrologic connection between the disposal zone and any underground source of drinking water.

BEU Hackberry 34 Federal #1 SWD
800' FNL & 825' FEL
Sec. 34 T19S R31E
Eddy County, New Mexico

Conductor Casing (0'-80')

30" 157.68# X52 PE
36" Hole

Surface Casing (0'-800')

20" 94# K55 BTC
26" Hole
Cement: 0'-800'

1st Intermediate Casing (0'-2,700')

16" 84# HCN80 BTC
17-1/2"/18-7/8" Hole
Cement: 0'-2700'

2nd Intermediate Casing (0'-4,400')

10-3/4" 45.5# HCN80 STC
14-3/4" Hole
Cement #1: 2,800'-4,400'
DV Tool @ 2,800'
Cement #2: 0'-2,800'

Production Casing (0'-13,755')

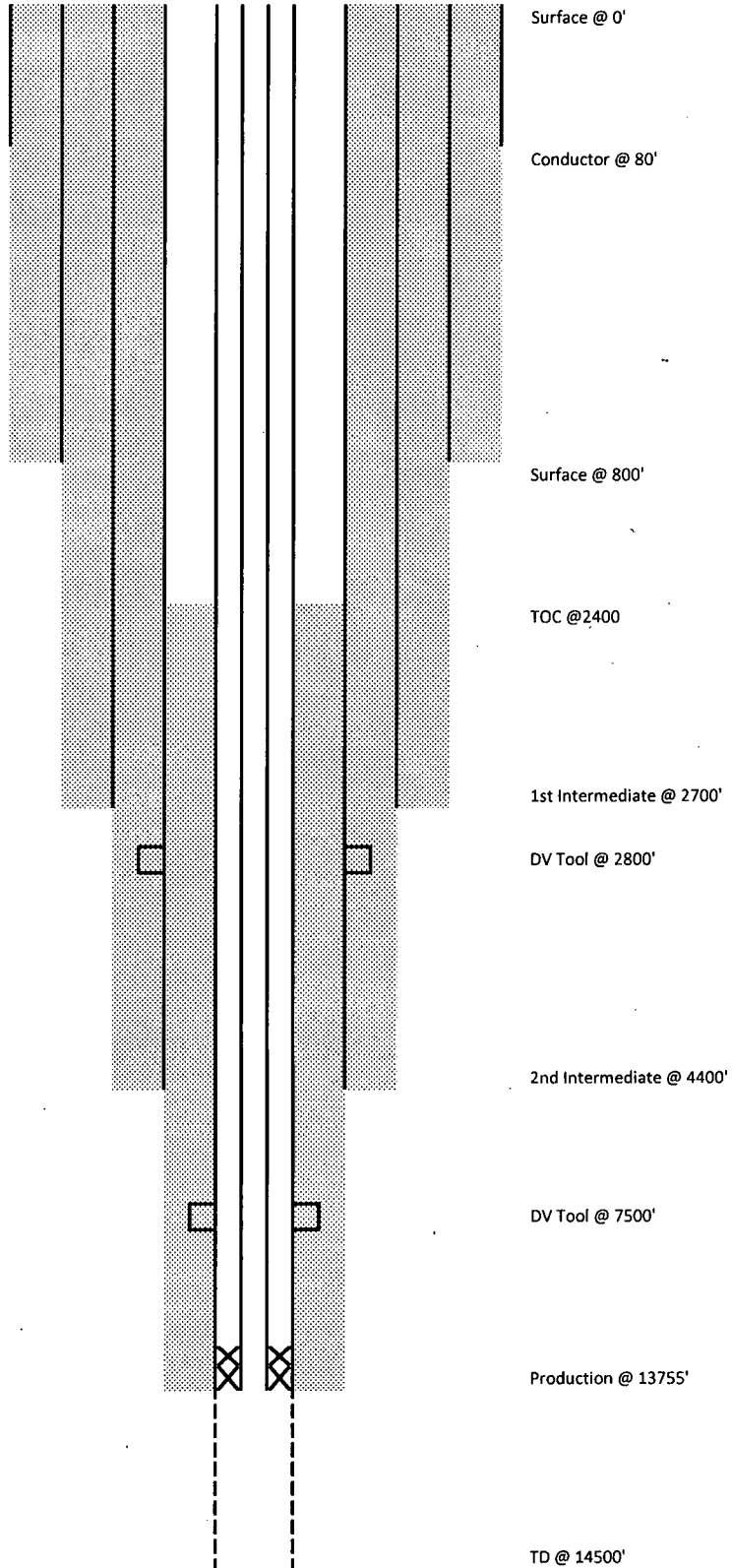
7-5/8" 39# HCL-80 LTC
9-7/8"/8-3/4" Hole
Cement #1: 7,500'-13,755'
DV Tool @ 7,500'
Cement #2: 2,400'-7,500'

Open Hole (13,755'-14,500')

6-1/2" Hole

Tubing (0'-13,750')

4-1/2" 12.75# L80 RTS-8



DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone (505) 393-6161 Fax: (505) 393-0720

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210
Phone (505) 746-1283 Fax: (505) 746-0720

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 334-6176 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3680 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

| | | |
|---------------------------------------|---|---------------------------------|
| API Number Not Assigned | Pool Code 97864 | Pool Name Wildcat (Devonian) |
| Property Code Property Code | Property Name BEU HACKBERRY 34 FEDERAL | Well Number 1 SWD |
| OCRID No. 260737 ✓ | Operator Name BOPCO, L.P. | Elevation 3465' |

Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| A | 34 | 19 S | 31 E | | 800 | NORTH | 825 | EAST | EDDY |

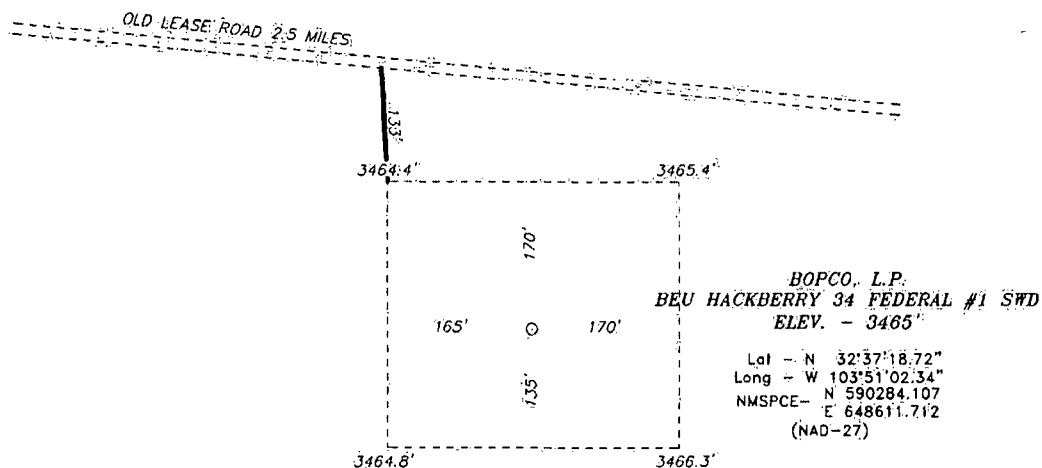
Bottom Hole Location If Different From Surface

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|-----------------|---------|-----------------|-------|--------------------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |
| Dedicated Acres | | Joint or Infill | | Consolidation Code | | Order No. | | | |

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

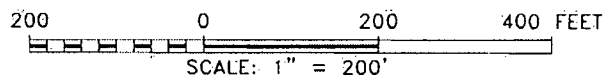
| | |
|---|---|
| | <p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><u>William R. Dannels</u> 10/31/11 Signature Date</p> <p>William Dannels Printed Name</p> <p>WRDannels@basspet.com Email Address</p> |
| <p>SURFACE LOCATION DELAWARE PT Lat = N 32°37'18.72" Long = W 103°51'02.34" NMSPC- N 590284.107 E 648611.712 (NAD-27)</p> | <p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.</p> <p>OCTOBER 20, 2011 Date Surveyed</p> <p>Signature & Seal of Professional Surveyor</p> <p>W.C. Jones</p> <p>Certificate No. Gary L. Jones 7977</p> <p>BASIN SURVEYS 25547</p> |

SECTION 34, TOWNSHIP 19 SOUTH, RANGE 31 EAST, N.M.P.M.,
EDDY COUNTY, WELL PAD LAYOUT NEW MEXICO.



Directions to Location:

FROM THE JUNCTION OF HWY 360 AND SHUGART GO EAST ON SHUGART FOR 6.4 MILES TO 'OLD LEASE' ROAD; ON OLD LEASE ROAD GO SOUTH; WINDING EAST THENCE SOUTH AND WINDING EAST AGAIN FOR 2.5 MILES TO PROPOSED LEASE ROAD.



BASIN SURVEYS P.O. BOX 1786-HOBBS, NEW MEXICO

W.O. Number: 25547 Drawn By: J. SMALL

Date: 10-26-2011 Disk: JMS 25547

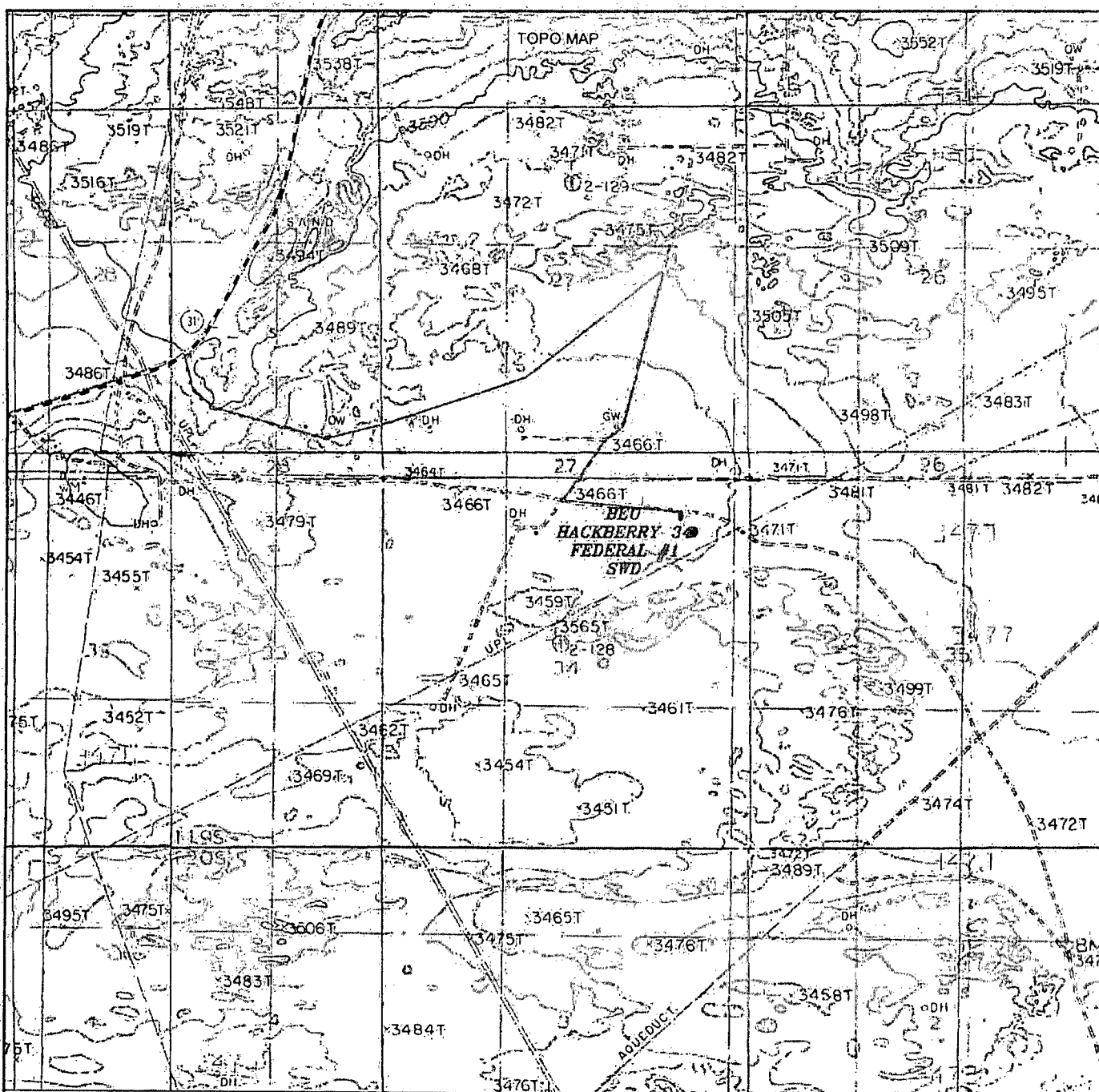
BOPCO, L.P.

REF: BEU HACKBERRY 34 FEDERAL #1 SWD / WELL PAD TOPO.

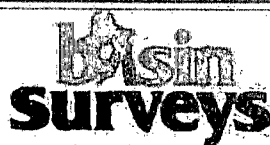
THE BEU HACKBERRY 34 FEDERAL #1 SWD LOCATED 800'
FROM THE NORTH LINE AND 825' FROM THE EAST LINE OF
SECTION 34, TOWNSHIP 19 SOUTH, RANGE 31 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

Survey Date: 10-20-2011

Sheet 1 of 6 Sheets



BEU HACKBERRY 34 FEDERAL #1 SWD
 Located 800' FNL and 825' FEL
 Section 34, Township 19 South, Range 31 East,
 N.M.P.M., Eddy County, New Mexico.



focused on excellence
in the oilfield

P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
 basin-surveys.com

W.O. Number JMS 25547

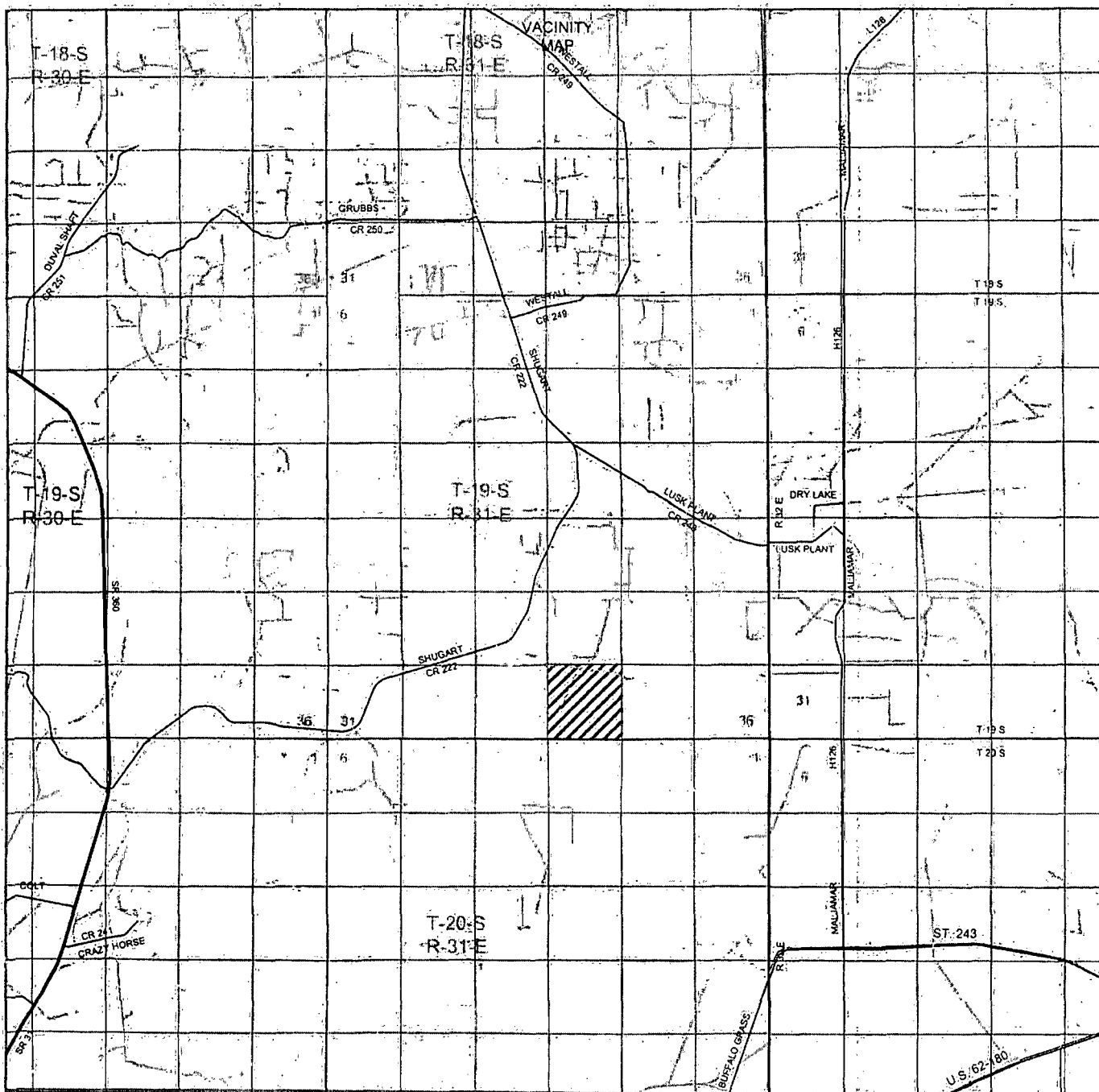
Survey Dates 10-20-2011

Scale: 1" = 2000'

Dated: 10-26-2011

BOPCO, L.P.

Sheet 2 of 6 Sheets



BEU HACKBERRY 34 FEDERAL #1 SWD
 Located 800' FNL and 825' FEL
 Section 34, Township 19 South, Range 31 East,
 N.M.P.M., Eddy County, New Mexico.

basin
surveys

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W.O. Number: JMS- 25547

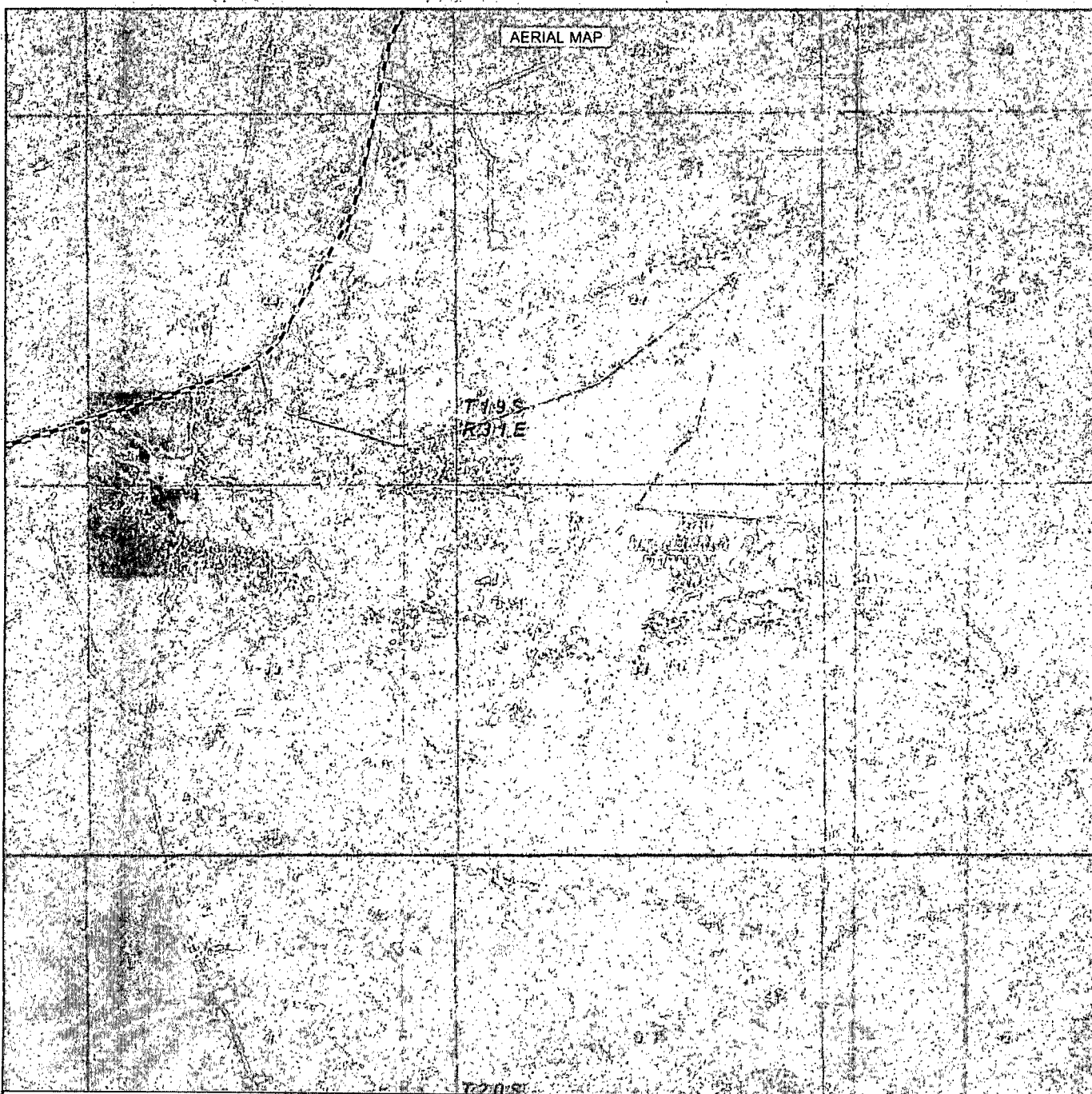
Survey Date: 10-20-2011

Scale: 1" = 2 Miles

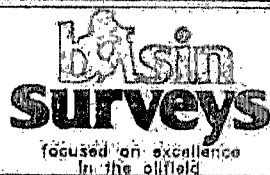
Date: 10-26-2011

BOPCO, L.P.

Sheet 3 of 6 Sheets



BEU HACKBERRY 34 FEDERAL #1 SWD
 Located 800' FNL and 825' FEL
 Section 34, Township 19 South, Range 31 East,
 N.M.P.M., Eddy County, New Mexico.



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 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 — Office
 (575) 392-2206 — Fax
basinsurveys.com

W.O. Number: JMS. 25547

Scale: 1" = 2000'

YELLOW TINT — USA LAND
 BLUE TINT — STATE LAND
 NATURAL COLOR — FEE LAND

BOPCO, L.P.

Sheet 4 of 6 Sheets

OPERATOR'S COPY

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other Instructions
on Reverse Side)

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

NM 02447

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Big Eddy Unit

8. FARM OR LEASE NAME

Big Eddy Unit

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Lusk Strawn

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

Sec. 27, T19S, R31E

12. COUNTY OR PARISH 13. STATE

Eddy

New Mexico

1.

OIL WELL ☒ GAS WELL ☐ OTHER ☐ P & A

2. NAME OF OPERATOR

Perry R. Bass

3. ADDRESS OF OPERATOR

Box 2760, Midland, Texas 79702

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

660' FSL & 1980' FEL of section - Unit letter O.

14. PERMIT NO.

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

3487' DF

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Regocompletion 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).*

9-11-78: Move in - rig up pulling unit.

9-12-78: Pulled packer - running tubing back in hole.

9-13-78: Ran tubing to 11,400'. Set 50 sk Class H neat plug from 11,400' to 11,175'. Pulled tubing & mixed mud.

9-14-78: Mixed mud. Broke crankshaft on rig engine.

9-15-78: Shut down for rig repairs.

9-16-78: Shut down for rig repairs.

9-17-78: Filled hole with 9.5# mud. Preparing to run free point

9-18-78: Shut down for Sunday.

9-19-78: ND wellhead. Pulled 4 1/2" slips. Dialog found free point on 4 1/2" Cut 4 1/2" @ 9095'.

9-20-78: Spotted 75 sks Class H neat from 9000' to 8775'. Pulled 4 1/2" to 6900'. WOC 2 hours. Tagged top of cement @ 8790'. Spotted 75 sks Class H neat from 6900' to 6675'. Pulled 4 1/2" to 5400'.

9-21-78: Spotted 175 sks Class H neat from 5400' to 5175'. Pulled 4 1/2" to 4060'.

Spotted 50 sks Class H neat from 4060' to 3910'. Pulled 4 1/2" to 750'.

Spotted 50 sks Class H neat from 750' to 600'. Finished pulling 4 1/2" casing.

9-22-78: Spotted 15 sks Class H neat from 20' to surface. Cut off wellhead. Installed P & A marker. Released unit. Loaded out casing and tubing. Well plugged and abandoned.

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

SIGNED

John P. Harty

TITLE Senior Production Clerk

DATE

Sept. 25, 1978

(This space for Federal or State office use)

APPROVED BY

Peter W. Chester

TITLE ACTING DISTRICT ENGINEER

DATE

NOV 17 1980

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

RECEIVED
SEP 26 1978
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

UNMOCC COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE
(Other instructions on
reverse side)Form approved
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM
ES 02447

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

| | | | |
|--|--|---|--|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | | 7. UNIT AGREEMENT NAME Big Eddy Unit | |
| 2. NAME OF OPERATOR Perry R. Bass | | 8. FARM OR LEASE NAME Big Eddy Unit | |
| 3. ADDRESS OF OPERATOR P. O. Box 2760, Midland, Texas 79702 | | 9. WELL NO. 4 | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 660' FSL & 1980' FEL | | 10. FIELD AND POOL, OR WILDCAT Lusk (Strawn) | |
| 11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA Sec. 27, T-19-S, R-31-E | | 12. COUNTY OR PARISH Eddy County | |
| 13. STATE New Mexico | | | |
| 14. PERMIT NO. DEC 20 1977 | | 15. ELEVATIONS (Show whether DF, RT, OR, etc.) GL. 3467' | |

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

| O. C. C. NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|----------------------------------|----------------------|---|-----------------|
| TEST WATER SHUT-OFF | PULL OR ALTER CASING | WATER SHUT-OFF | REPAIRING WELL |
| FRACTURE TREAT | MULTIPLE COMPLETE | FRACTURE TREATMENT | ALTERING CASING |
| SHOOT OR ACIDIZE | ABANDON* | SHOOTING OR ACIDIZING | ABANDONMENT* |
| REPAIR WELL | CHANGE PLANS | (Other) | |
| (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 proposal work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Abandonment operations are expected to begin within 30 days after approval. Procedure: (1) RU P/A unit, install manual BOPE. (2) Pull tubing and packer. (3) RIH tubing open-end and set cement plug at 11,400'-11,175' with 50 sx. Class "H" cement. WOC hours. (4) Displace hole with 9.6 ppg. Brine gel mud. POOH laying down tubing. (5) ND PE to PU 4 1/2" casing and remove slips. Weld on 4 1/2" casing extension and install BOPE 8 5/8" casing. (6) RIH with free point tool to find 4 1/2" casing free point. Test casing 1,000 psi. (7) RIH with jet charge. Cut 4 1/2" casing at estimated free point depth of 8,000'. (8) PU 4 1/2" casing. (9) Set cement plug at estimated 4 1/2" casing cut off point 8,000'-7,775' with 75 sx. Class "H" cement. (10) Pull casing to 6,900' and set cement plug from 6,900'-6,675' with 75 sx. Class "H" cement. (11) Pull casing to 5,400' and set cement plug from 5,400'-5,175' with 75 sx. Class "H" cement. (12) Pull casing to 4,060' and set cement plug from 4,060'-3,910' with 50 sx. Class "H" cement. (13) Pull casing to 750' and set cement plug from 750'-600' with 50 sx. Class "H" cement. (14) Pull casing to 20' and set cement plug from 20'-surface with 15 sx. Class "H" cement. (15) Pull casing to surface and lay down. (16) RD P/A unit and manual BOPE. (17) Install 4" OD P/A marker 4 feet above mean ground vel. (18) Clean location for final inspection.

Note: All intervals between cement plugs will be mud filled.

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

SIGNED Jane YoungTITLE Engineer AssistantDATE 12-1-77

(This space for Federal or State office use)

APPROVED BY Lee J. LammTITLE ACTING DISTRICT ENGINEERDATE DEC 19 1977

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on reverse side)Form approved
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

02447

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Big Eddy Unit

8. FARM OR LEASE NAME

Big Eddy Unit

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Lusk Strawn

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

Sec. 27, T19S, R31E

12. COUNTY OR PARISH

Eddy

13. STATE
New Mexico1. OIL ☒ GAS ☐ OTHER ☐

RECEIVED

2. NAME OF OPERATOR

Perry R. Bass

NOV 11 1974

3. ADDRESS OF OPERATOR

Box 1178, Monahans, Texas 79756

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

At surface

U. S. G. S.
ARTESIA, OFFICE

660' FSL & 1980' FEL of section - Unit letter O.

14. PERMIT NO.

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

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Well Status

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

X*

(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.)*

This well has been shut in since March 1973. Well was closed in because oil production declined to "zero". Llano, Inc. is attempting to unitize the area in which this well is located.

* Filed per Memorandum , NMOCC dated 9-13-74.

RECEIVED

SEP 24 1974

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

SIGNED

J. P. Muntz, Jr.

TITLE Division Production Clerk

DATE Sept. 23, 1974

(This space for Federal or State office use)

APPROVED BY:

CONDITIONS OF APPROVAL, IF ANY:

TITLE

UNLESS FURTHER APPROVED, WELL MUST
BE PUT TO BENEFICIAL USE OR PLUGGED BY
APRIL 1, 1975
See Instructions on Reverse Side

DATE

NOV 5 - 1974
K. L. BREKIDG
ACTING DISTRICT ENGINEER

| | |
|------------------|--------------|
| SANTA FE | / |
| FILE | /- |
| U.S.G.S. | |
| LAND OFFICE | |
| TRANSPORTER | OIL / GAS |
| OPERATOR | 2 |
| PRORATION OFFICE | / |

REQUEST FOR ALLOWABLE
AND

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

(Deviation Survey on Back Side)

| | | |
|---|---|--|
| Operator Pan American Petroleum Corp. | | RECEIVED JUL 6 1965 O. C. C. ARTEBIA OFFICE |
| Address Box 68, Hobbs, N. M. 88240 | | |
| Reason(s) for filing (check proper box) | Other (Please explain) | |
| New Well <input checked="" type="checkbox"/> | Change in Transporter oil | |
| Recompletion <input type="checkbox"/> | Oil <input type="checkbox"/> | |
| Change in Ownership <input type="checkbox"/> | Casinghead Gas <input type="checkbox"/> | |
| | Dry Gas <input type="checkbox"/> | |
| | Condensate <input type="checkbox"/> | |

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

| | | | |
|-----------------------------------|-------------------------------|--|---------------------------------|
| Well Name Big Eddy Unit | Well No. 4 | Pool Name, including Formation Lusk Strawn | Kind of Lease Federal |
| Location #0 660 | Feet From The South | Line and 1980 | Feet From The East |
| Line of Section 27 | Township 19-S | Range 31-E | NMPM Eddy |

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

| | |
|--|--|
| Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> | Address (Give address to which approved copy of this form is to be sent) |
| Permian Corp. - Trucks | Box 3119, Midland Texas |
| Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/> | Address (Give address to which approved copy of this form is to be sent) |
| | |
| If well produces oil or liquids, give location of tanks. | Unit Sec. Twp. Rng. Is gas actually connected? When |
| | N 27 19 31 NO |

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

| | | | | | | | |
|---|--|-------------------------------------|--|-----------------------------------|---------------------------------|------------------------------------|--------------------------|
| Designate Type of Completion - (X) | Oil Well <input checked="" type="checkbox"/> | Gas Well <input type="checkbox"/> | New Well <input checked="" type="checkbox"/> | Workover <input type="checkbox"/> | Deepen <input type="checkbox"/> | Plug Back <input type="checkbox"/> | Some Res't. Diff. Res't. |
| Date Spudded 5-27-65 | Date Compl. Ready to Prod. 7-2-65 | Total Depth 11,470' | R.E.M.D. | | | | |
| Formation Lusk Strawn | Name of Producing Formation Strawn | Top Oil/Gas Pay 11,389' | Tubing Depth 11,405' | | | | |
| Perforations 11,389 to 11,400 | | Depth Casing Shoe 11,470' | | | | | |
| TUBING, CASING, AND CEMENTING RECORD | | | | | | | |
| HOLE SIZE | CASING & TUBING SIZE | DEPTH SET | SACKS CEMENT | | | | |
| 17 1/2" | 13 1/2" | 683' | 475 | | | | |
| 11" | 8 3/8" | 3,980' | 1850 | | | | |
| 7 7/8" | 4 1/2" | 11,470' | 450 | | | | |
| | 2" | 11,405' | | | | | |

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

| | | | |
|---|-----------------------------------|--|-------------------------------|
| Date First Flow Oil Run To Tanks 7-2-65 | Date of Test 7-2-65 | Producing Method (Flow, pump, gas lift, etc.) Flow | |
| Length of Test 24 Hrs. | Tubing Pressure 1,000 # | Casing Pressure --- | Choke Size 16-18/64 |
| Actual Prod. During Test | Oil-Bbls. 382 | Water-Bbls. 0 | Gas-MCF 898 (2350) |

GAS WELL

| | | | |
|------------------------------------|-----------------|----------------------|-----------------------|
| Actual Prod. Test-MCF/D | Length of Test | Bbls. Condensate/MCF | Gravity of Condensate |
| Producing Method (pilot, back pr.) | Tubing Pressure | Casing Pressure | Choke Size |

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

OIL CONSERVATION COMMISSION
JUL 6 1965
APPROVED
BY **ML Armstrong**
TITLE **OIL AND GAS INSPECTOR**

1 of 5

SEP 9 '85

COUNTY EDDY, N. M. FIELD LUSK (STRAWN)
 OPR PAN AMERICAN PETROLEUM CORPORATION
 LEF BIG EDDY UNIT
 LOC Sec 34, T-19-S, R-31-E, 660' FWL & 1980' FWL of Sec. WELL NO. 5

MAPS
 F.R. 7-16-65 OBJ 11,600' METHOD RT CO-ORD
 CTR Big West C.R. ELEV D.F. 3484 SPUD 7-20-65

LOGS
 TD 11,486' Lm SPLS 11,440' GL
 TO 11,486' Lm ABD LOC. P & A

| PAY ZONE | TOP PAY | PRODUCING INTERVAL | IP | BO | W | BS&W | HRS | TEST BASIS |
|---------------|--------------|--------------------|----------|------------|---|------|-----------|------------|
| <u>Strawn</u> | <u>11424</u> | <u>11424-438</u> | <u>F</u> | <u>435</u> | | | <u>24</u> | |
| | | | | | | | | |
| | | | | | | | | |

| CHOKE | GOR | GT | CP | TP | POY DATE | TREATMENT |
|---------------|-------------|-------------|----|-------------|----------------|---------------|
| <u>14/64"</u> | <u>2110</u> | <u>45.6</u> | | <u>1425</u> | <u>8-27-65</u> | <u>A/2000</u> |
| | | | | | | |
| | | | | | | |

CSG-TBG-PKR RECORD INFORMATION ON THIS TICKET COMPILED FROM COPYRIGHTED MATERIAL AND NOT TO BE RE-PRODUCED WITHOUT EXPRESS PERMISSION FROM MIDLAND OIL SCOUTS ASSOCIATION.

| | | | |
|----------------|-----------------|---------------|------------------|
| <u>13-3/8"</u> | <u>690/500</u> | <u>4-1/2"</u> | <u>11486/330</u> |
| <u>8-5/8"</u> | <u>3935/250</u> | | |

COUNTY EDDY, N. M. FIELD LUSK (STRAWN)

WELL: PAN AMERICAN #5 BIG EDDY UNIT

ELEV D.F. 3484

DATE WELL RECORD

SPL (LOG) MARKERS

TD 11,486' Lm PB 11,440'

Anhy (827)

± 11279-330 rec 50' sh & lm

Yates (2380)

± 11330-380 rec 46' lm & sh

Capitan (4075)

± 11380-386 rec 6' lm, n/s

Bona Springs

± 11386-436 rec 20' lm

(6967)

Perf 28/10, 424-438

Wfrc (10428)

A/2000

Str (11300)

| | |
|-------------------|--------------|
| FILE | 1-1 |
| U.S.G.S. | |
| LAND OFFICE | |
| TRANSPORTER | OIL 1 GAS |
| OPERATOR | 2 |
| PRODUCTION OFFICE | 7 |

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

2

(Deviation Survey on Back Side)

RECEIVED

| | | |
|--|-------------------------------------|------------------------------|
| Pan American Petroleum Corp. | | AUG 30 1965 |
| Box 68, Hobbs, N.M. 88240 | | |
| Reason(s) for filing (check proper box) | Other (Please explain) | O. C. C. ARTESIA, OFFICE |
| New Well <input checked="" type="checkbox"/> | Change in Transporter of: | |
| Completion <input type="checkbox"/> | Oil <input type="checkbox"/> | Gas <input type="checkbox"/> |
| Change in ownership <input type="checkbox"/> | Condensate <input type="checkbox"/> | |

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

| | | |
|-------------------------|----------|-------------------------------|
| Well Name | Well No. | Kind of Lease |
| Big Eddy Unit | 5 | State, Federal or Fee Federal |
| Location | Section | |
| Section C | 1980 | |
| Feet From The West Line | 660' | |
| Feet From The North | | |
| Line of Section | 34 | |
| Township | 19-5 | |
| Range | 31-E | |
| County | Eddy | |

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

| | |
|---|--|
| Designated Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> | Address (Give address to which approved copy of this form is to be sent) |
| Permian Corp. - Trucks | Box 3119, Midland, Texas |
| Designated Authorized Transporter of Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/> | Address (Give address to which approved copy of this form is to be sent) |
| Vented, Waiting on Connection | |
| If well produces oil or liquids, give location of tanks. | Is gas actually connected? When |
| C 34 19 31 | NO |

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

| Designate Type of Completion - (X) | Oil Well | Gas Well | New Well | Workover | Deepen | Plug Back | Same Res'tv. | Diff. Res'tv. |
|------------------------------------|---------------------------|-----------------|--------------|----------|--------|-----------|--------------|---------------|
| X | | | X | | | | | |
| Date of Completion | Date Comp. Ready to Prod. | Total Depth | P.B.T.D. | | | | | |
| 7-19-65 | 8-27-65 | 11,486' | 11,440' | | | | | |
| Name of Formation | Name of Formation | Top Oil/Gas Pay | Tubing Depth | | | | | |
| Lusk Strawn | Strawn | 10,424' | 11,440' | | | | | |
| Depth Casing Shoe | | | | | | | | |
| 10,424-38' | | | | | | | | |

TUBING, CASING, AND CEMENTING RECORD

| HOLE SIZE | CASING & TUBING SIZE | DEPTH SET | SACKS CEMENT |
|-----------|----------------------|-----------|--------------|
| 17 1/2" | 13 3/8" | 690' | 500 |
| 11" | 8 5/8" | 3935 | 2050 |
| 7 7/8" | 4 1/2" | 11486 | 330 |
| | 2 3/8" | 11440 | |

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

| | | |
|---------------------------------|------------------|---|
| Date First New Oil Run To Tanks | Date of Test | Producing Method (Flow, pump, gas lift, etc.) |
| 8-27-65 | 8-27-65 | Flow |
| Length of Test | Testing Pressure | Casing Pressure |
| 24 | 2000 # | Choke Size |
| Action Prod. During Test | Oil - Bbls. | Water - Bbls. |
| | 435 | 0 |
| | | Gas - MCF |
| | | 918 (2110) |

GAS WELL

| | | | |
|----------------------------------|-----------------|----------------------|-----------------------|
| Actual Prod. Test - MCF/D | Length of Test | Bbls. Condensate/MCF | Gravity of Condensate |
| | | | |
| Testing Method (pilot, back pr.) | Tubing Pressure | Casing Pressure | Choke Size |
| | | | |

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

OIL CONSERVATION COMMISSION

AUG 30 1965

APPROVED _____, 19____
BY M. L. Armstrong
TITLE OIL AND GAS INSPECTOR

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation in the well in accordance with RULE 111.

| <u>Deviation</u> | <u>Surveys</u> |
|------------------|----------------|
| <u>Depth</u> | <u>Depths</u> |
| 175 | 0 |
| 326 | $\frac{1}{2}$ |
| 449 | 1 |
| 511 | 1 |
| 560 | $\frac{1}{2}$ |
| 620 | $\frac{3}{4}$ |
| 1059 | 2 |
| 1490 | $\frac{1}{2}$ |
| 1960 | 1 |
| 2380 | 1 |
| 2815 | 1 |
| 2871 | $\frac{3}{4}$ |
| 3350 | 1 |
| 3600 | $\frac{1}{4}$ |
| 4160 | $\frac{1}{2}$ |
| 4634 | $\frac{1}{2}$ |
| 5040 | $\frac{3}{4}$ |
| 5320 | $\frac{3}{4}$ |
| 5715 | $\frac{1}{2}$ |
| 6180 | $\frac{3}{4}$ |
| 6650 | $\frac{3}{4}$ |
| 7100 | 1 |
| 7480 | $\frac{3}{4}$ |
| 7930 | 1 |
| 8160 | 1 |
| 8580 | 1 |
| 8750 | $\frac{1}{2}$ |
| 9240 | $\frac{3}{4}$ |
| 9645 | $\frac{3}{4}$ |
| 9945 | $\frac{1}{2}$ |
| 10440 | $\frac{3}{4}$ |
| 10890 | 1 |
| 11160 | $\frac{1}{4}$ |
| 11260 | $\frac{1}{2}$ |
| 11476 | $\frac{1}{4}$ |

The above are true and correct to the best of my knowledge and belief.

V.E. Staley, Area Supt.

Sworn and Subscribed to this date, the 30th day of August, 1965.

R. Mearhead
Notary Public, In and For
Lea County, New Mexico

My Commission expires 6-18-68

UNITED STATES N. M. O. C. C. COPY
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
SUBMIT IN TRIPLICATE
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

New Mexico 02447

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Big Eddy Unit

8. FARM OR LEASE NAME

Big Eddy Unit

9. WELL NO.

5

10. FIELD AND POOL, OR WILDCAT

Lusk (Strawn)

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

Sec. 34, T19S, R31E

12. COUNTY OR PARISH 13. STATE

Eddy N. Mex.

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐ Depleted oil well

2. NAME OF OPERATOR

Perry R. Bass

3. ADDRESS OF OPERATOR

Box 1178, Monahans, Texas 79756

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface1980' from the west line and 660' from the north line.
Unit letter C

14. PERMIT NO.

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

3486 KDB

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(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.)

Rigged up DA&S Well Service unit 8-8-69. Pulled pumping equipment; ran a drillable retainer on 2-3/8" ODEUE tubing; set retainer in 4 1/2" OD casing at 11,354. Loaded casing and tubing with 9.5 lb. per gal. mud; squeezed 50 sx. regular neat cement (Plug #1) below retainer. Slurry weight 15.9 lbs. per gal. Maximum pressure 1500 psi. Pulled and laid down the tubing. Ran free point (McCullough), and cut the 4 1/2" OD casing at 5650. Circulated with 160 bbls. salt gel - brine mud. Using the 4 1/2" OD casing for a conductor, spotted 60 sx. of regular neat cement (Plug #2) at 5650. Slurry weight 15.9 lbs. per gal. Pull the 4 1/2" OD casing up to 4650; spotted 60 sx. regular neat cement (Plug #3). Slurry weight 15.9 lbs. per gal. Pulled the 4 1/2" OD casing up to 3985; spotted 45 sx. of neat cement (Plug #4). Slurry weight 15.8 lbs. per gal. Pulled remaining 4 1/2" OD casing. Ran McCullough free-point; cut the 8-5/8" OD casing at 1000'. Pulled and laid down 30 joints (1000') of 8-5/8" OD casing. Ran 2-3/8" ODEUE tubing to 740'. Circulated with 120 bbls. of salt gel - brine mud. Spotted 75 sx. regular neat cement (Plug #5) at 740. Slurry weight 15.9 lbs. per gal. Pulled tubing up to 50'. Spotted 38 sx. of regular neat cement (Plug #6), to fill to the surface. Slurry weight 15.9 lbs. per gal. Installed well marker in top of surface casing; rigged down DA&S unit. Cleaned up location, ready for inspection, 8-14-69.

Recapitulation of plugging: Calculated

| Plug # | Sacks | Bottom | Top |
|--------|-------|----------------------------|------|
| 1 | 50 | (Below retainer at 11,354) | |
| 2 | 60 | 5650 | 5487 |
| 3 | 60 | 4650 | 4487 |

| Plug # | Sacks | Bottom | Top |
|--------|-------|--------|---------|
| 4 | 45 | 3985 | 3842 |
| 5 | 75 | 740 | 630 |
| 6 | 38 | 50 | Surface |

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

SIGNED Halter D. PowersTITLE Asst. Div. Mgr.DATE 8-19-69

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

APPROVED

H. L. BECKMAN

*See Instructions on Reverse Side

Belt, Sandra J.

From: McBroom, John
Sent: Wednesday, January 18, 2012 2:58 PM
To: Belt, Sandra J.
Subject: Hackberry 34 SWD
Attachments: 20120117104723886.pdf

Sandra,

Attached is a plat showing the WI owners within a ½ mile radius of the Hackberry 34 SWD well. Also, below are the addresses for the respective companies. Please be sure to let me know if you need anymore information.

Devon
20 N. Broadway #1500
Oklahoma City, Ok 73102

COG Operating
500 Wall St.
Midland, Tx. 79701

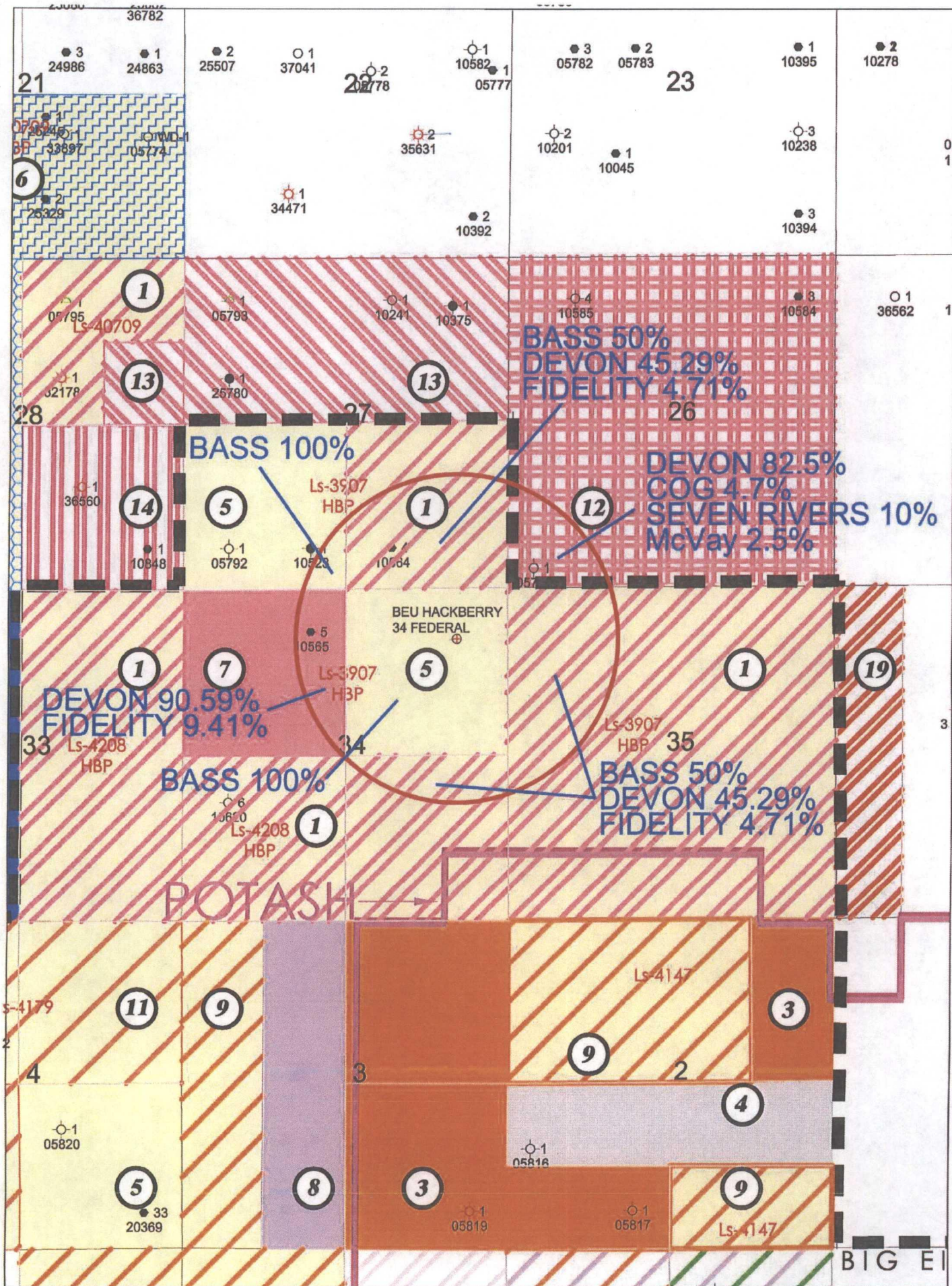
McVay Drilling
POB 1348
Hobbs, NM 88241

Seven Rivers, Inc.
POB 1598
Carlsbad, NM 88220

Fidelity Exploration and Production Co.
625 Broadway #1800
Denver, CO 80202

Thanks,

John P. McBroom
BOPCO, L.P.
A Bass Legacy Company
201 Main St., Suite 2900
Fort Worth, Texas 76102
(817) 339-7185 Office
(817) 339-7102 Fax
jmcbroom@basspet.com



Affidavit of Publication

State of New Mexico,
County of Eddy, ss.

Kathy McCarroll, being first duly sworn,
on oath says:

That she is the Classified Supervisor of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

January 19 2012

That the cost of publication is **\$57.41** and that payment thereof has been made and will be assessed as court costs.

Kathy De Cavel

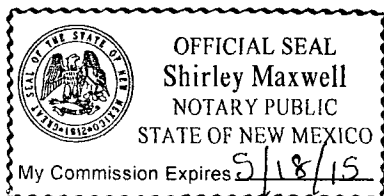
Subscribed and sworn to before me this

19th day of January, 2012

Shirley Maxwell

My commission Expires on May 18, 2015

Notary Public



January 19, 2012

NOTICE OF APPLICATION FOR WATER DISPOSAL WELL PERMIT

BOPCO, L.P. has applied to the New Mexico Oil Conservation Division for a permit to dispose of produced water into a porous formation not productive of oil or gas.

The applicant proposes to dispose of produced water into the BEU Hackberry 34 Fed SWD #1 (Devonian Formation). The maximum injection pressure will be 2,748 psi and the maximum rate will be 3,000 bbls produced water per day. The proposed disposal well is located approximately 9 miles West/Northwest of Halfway, New Mexico in Section 34, T19S, R31E, 800' FNL & 825' FEL, Eddy County, New Mexico. The produced water will be disposed at a subsurface depth of 13,741 - 14,500'.

Any questions concerning this application should be directed to Sandra J. Belt, Sr. Regulatory Clerk, BOPCO, L.P., P.O. Box 2760, Midland, Texas 79702-2760, (432) 683-2277.

Interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 S. St. Francis Dr., Santa Fe, New Mexico 87505 within 15 days.

RECEIVED

JAN 23 2012

BOPCO WTD PRODUCTION

85 yd



New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Well Drill Dates & Depths)

No PODs found.

POD Search:

POD Basin: Carlsbad

PLSS Search:

Section(s): 26, 27, , 28, 33, Township: 19S Range: 31E
34, 35

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

1/25/12 12:55 PM



New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Well Drill Dates & Depths)

POD Search:

POD Basin: Carlsbad

PLSS Search:

Section(s): 2, 3

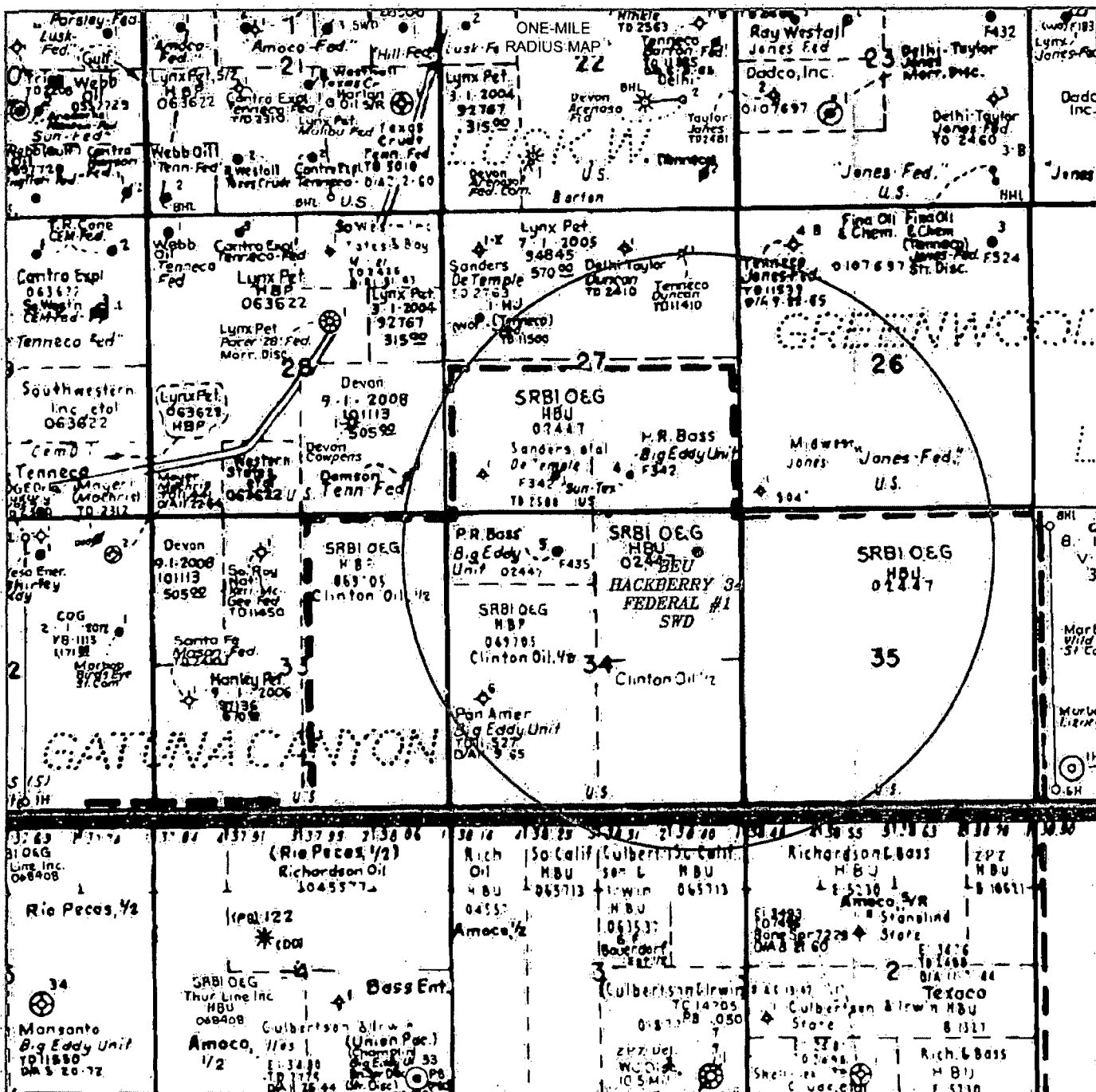
Township: 20S

Range: 31E

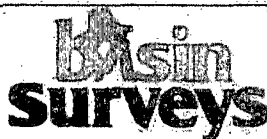
No PODs found.

The data is furnished by the NMOSSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

1/25/12 12:56 PM



BEU HACKBERRY 34 FEDERAL #1 SWD
 Located 800' FNL and 825' FEL
 Section 34, Township 19 South, Range 31 East,
 N.M.P.M., Eddy County, New Mexico.



focused on excellence
in the oilfield

P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
 basin-surveys.com

W.O. Number: JMS 25547

Scale: None

YELLOW TINT - USA LAND
 BLUE TINT - STATE LAND
 NATURAL COLOR - FEE LAND

BOPCO, L.P.

Sheet 5 of 6 Sheets

BOPCO, L. P.
6 DESTA DRIVE, SUITE 3700 (79705)
P. O. BOX 2760
MIDLAND, TEXAS 79702

(432) 683-2277

FAX (432) 687-0329

January 30, 2012

Re: Notice of Application for Authorization
to Dispose
BEU Hackberry 34 Federal SWD #1
Sec. 34, T19S, 31E
Eddy County, New Mexico
File: 100-WF: BEUHack34FedSWD1.C108

Bureau of Land Management
620 E. Greene Street
Carlsbad NM 88220-6292

Gentlemen:

This letter and attached copy of our injection well application is to notify you, as surface owner, that BOPCO, L.P. is petitioning the Oil Conservation Division to grant permission to dispose of fluid into a zone not productive of oil and gas in the subject wellbore.

If you should have any questions or require additional information, please contact Sandra J. Belt at the above letterhead address, phone number or via email at sjbelt@basspet.com. Any objections or requests for hearing must be filed with the Oil Conservation Division, 1220 South St. Frances Dr., Santa Fe, New Mexico 87505, within 15 days of this letter's date.

Sincerely,

Sandra J. Belt

Sandra J. Belt
Sr. Regulatory Clerk

sjb
Attachments

| | | | |
|---|--|----|---------------|
| US Postal Service Certified Mail Receipt <i>Domestic Mail Only</i> <i>No Insurance Coverage Provided</i> | Postage | \$ | Postmark Here |
| | Certified Fee | | |
| | Return Receipt Fee (Endorsement Required) | | |
| | Restricted Delivery Fee (Endorsement Required) | | |
| | Total Postage & Fees | \$ | |
| Sent To: BLM 620 E. Greene Street Carlsbad NM 88220-6292 BEUHack34FedSWD1 C108/Dsp. Appl. 1.30.12 | | | |

7160 3901 9846 4321 7685

BOPCO, L. P.
6 DESTA DRIVE, SUITE 3700 (79705)
P. O. BOX 2760
MIDLAND, TEXAS 79702

(432) 683-2277

FAX (432) 687-0329

January 30, 2012

Re: Notice of Application for Authorization
to Dispose
BEU Hackberry 34 Federal SWD #1
Sec. 34, T19S, 31E
Eddy County, New Mexico
File: 100-WF: BEUHack34FedSWD1.C108

Fidelity Exploration and Production Co.
625 Broadway #1800
Denver CO 80202

Gentlemen:

This letter and attached copy of our injection well application is to notify you, as offset operator, that BOPCO, L.P. is petitioning the Oil Conservation Division to grant permission to dispose of fluid into a zone not productive of oil and gas in the subject wellbore.

If you should have any questions or require additional information, please contact Sandra J. Belt at the above letterhead address, phone number or via email at sjbelt@basspet.com. Any objections or requests for hearing must be filed with the Oil Conservation Division, 1220 South St. Frances Dr., Santa Fe, New Mexico 87505, within 15 days of this letter's date..

Sincerely,

Sandra J. Belt

Sandra J. Belt
Sr. Regulatory Clerk

sjb
Attachments

| | | | |
|---|---|----|------------------|
| US Postal Service Certified Mail Receipt <i>Domestic Mail Only</i> <i>No Insurance</i> <i>Coverage Provided</i> | Postage | \$ | Postmark Here |
| | Certified Fee | | |
| | Return Receipt Fee (Endorsement Required) | | |
| | Restricted Delivery Fee (Endorsement Required) | | |
| | Total Postage & Fees | \$ | |
| Sent To: Fidelity Exploration & Production 625 Broadway #1800 Denver CO 80202 | | | |
| BEUHack34FedSWD1 C108/Dsp Appl 1.30.12 | | | |
| PS Form 3800, January 2005 US Postal Service Certified Mail Receipt | | | |

7160 3901 9846 4322 2849

BOPCO, L. P.
6 DESTA DRIVE, SUITE 3700 (79705)
P. O. BOX 2760
MIDLAND, TEXAS 79702

(432) 683-2277

FAX (432) 687-0329

January 30, 2012

Re: Notice of Application for Authorization
to Dispose
BEU Hackberry 34 Federal SWD #1
Sec. 34, T19S, 31E
Eddy County, New Mexico
File: 100-WF: BEUHack34FedSWD1.C108

Devon
20 N. Broadway #1500
Oklahoma City, OK 73102

Gentlemen:

This letter and attached copy of our injection well application is to notify you, as offset operator, that BOPCO, L.P. is petitioning the Oil Conservation Division to grant permission to dispose of fluid into a zone not productive of oil and gas in the subject wellbore.

If you should have any questions or require additional information, please contact Sandra J. Belt at the above letterhead address, phone number or via email at sjbelt@basspet.com. Any objections or requests for hearing must be filed with the Oil Conservation Division, 1220 South St. Frances Dr., Santa Fe, New Mexico 87505, within 15 days of this letter's date.

Sincerely,

Sandra J. Belt

Sandra J. Belt
Sr. Regulatory Clerk

sjb
Attachments

| | | | | |
|---|---|---|----|------------------|
| 7160 3901 9846 4322 2856 | US Postal Service Certified Mail Receipt <i>Domestic Mail Only</i> <i>No Insurance</i> <i>Coverage Provided</i> | Postage | \$ | Postmark Here |
| | | Certified Fee | | |
| | | Return Receipt Fee (Endorsement Required) | | |
| | | Restricted Delivery Fee (Endorsement Required) | | |
| | | Total Postage & Fees | \$ | |
| Sent To: Devon 20 N. Broadway#1500 Oklahoma City OK 73102 BEUHack34FedSWD#1 C108/SWD Appl 1.30.12 | | | | |

BOPCO, L. P.
6 DESTA DRIVE, SUITE 3700 (79705)
P. O. BOX 2760
MIDLAND, TEXAS 79702

(432) 683-2277

FAX (432) 687-0329

January 30, 2012

Re: Notice of Application for Authorization
to Dispose
BEU Hackberry 34 Federal SWD #1
Sec. 34, T19S, 31E
Eddy County, New Mexico
File: 100-WF: BEUHack34FedSWD1.C108

Seven Rivers, Inc.
P O Box 1598
Carlsbad NM 88220

Gentlemen:

This letter and attached copy of our injection well application is to notify you, as offset operator, that BOPCO, L.P. is petitioning the Oil Conservation Division to grant permission to dispose of fluid into a zone not productive of oil and gas in the subject wellbore.

If you should have any questions or require additional information, please contact Sandra J. Belt at the above letterhead address, phone number or via email at sjbelt@basspet.com. Any objections or requests for hearing must be filed with the Oil Conservation Division, 1220 South St. Frances Dr., Santa Fe, New Mexico 87505, within 15 days of this letter's date.

Sincerely,

Sandra J. Belt

Sandra J. Belt
Sr. Regulatory Clerk

sjb
Attachments

| | | | | |
|--|---|---|----|---------------|
| 7160 3901 9846 4321 7678 | US Postal Service Certified Mail Receipt <i>Domestic Mail Only</i> <i>No Insurance Coverage Provided</i> | Postage | \$ | Postmark Here |
| | | Certified Fee | | |
| | | Return Receipt Fee (Endorsement Required) | | |
| | | Restricted Delivery Fee (Endorsement Required) | | |
| | | Total Postage & Fees | \$ | |
| Sent To: Seven Rivers, Inc. P O Box 1598 Carlsbad NM 88220 BEUHack34FedSWD1 C108/Dsp. Appl 1.30.12 | | | | |

BOPCO, L. P.
6 DESTA DRIVE, SUITE 3700 (79705)
P. O. BOX 2760
MIDLAND, TEXAS 79702

(432) 683-2277

FAX (432) 687-0329

January 30, 2012

Re: Notice of Application for Authorization
to Dispose
BEU Hackberry 34 Federal SWD #1
Sec. 34, T19S, 31E
Eddy County, New Mexico
File: 100-WF: BEUHack34FedSWD1.C108

COG Operating
500 Wall St.
Midland TX 79701

Gentlemen:

This letter and attached copy of our injection well application is to notify you, as offset operator, that BOPCO, L.P. is petitioning the Oil Conservation Division to grant permission to dispose of fluid into a zone not productive of oil and gas in the subject wellbore.

If you should have any questions or require additional information, please contact Sandra J. Belt at the above letterhead address, phone number or via email at sjbelt@basspet.com. Any objections or requests for hearing must be filed with the Oil Conservation Division, 1220 South St. Frances Dr., Santa Fe, New Mexico 87505, within 15 days of this letter's date.

Sincerely,

Sandra J. Belt

Sandra J. Belt
Sr. Regulatory Clerk

sjb
Attachments

| | | | |
|---|--|----|---------------|
| US Postal Service Certified Mail Receipt <i>Domestic Mail Only</i> <i>No Insurance Coverage Provided</i> | Postage | \$ | Postmark Here |
| | Certified Fee | | |
| | Return Receipt Fee (Endorsement Required) | | |
| | Restricted Delivery Fee (Endorsement Required) | | |
| | Total Postage & Fees | \$ | |
| Sent To: COG Operating 500 wall St. Oklahoma City OK 73102 BEUHack34FedSWD#1 C108/SWD Appl 1.30.12 | | | |

7160 3901 9846 4322 2863

BOPCO, L. P.
6 DESTA DRIVE, SUITE 3700 (79705)
P. O. BOX 2760
MIDLAND, TEXAS 79702

(432) 683-2277

FAX (432) 687-0329

January 30, 2012

Re: Notice of Application for Authorization
to Dispose
BEU Hackberry 34 Federal SWD #1
Sec. 34, T19S, 31E
Eddy County, New Mexico
File: 100-WF: BEUHack34FedSWD1.C108

McVay Drilling
P O Box 1348
Hobbs NM 8241

Gentlemen:

This letter and attached copy of our injection well application is to notify you, as offset operator, that BOPCO, L.P. is petitioning the Oil Conservation Division to grant permission to dispose of fluid into a zone not productive of oil and gas in the subject wellbore.

If you should have any questions or require additional information, please contact Sandra J. Belt at the above letterhead address, phone number or via email at sjbelt@basspet.com. Any objections or requests for hearing must be filed with the Oil Conservation Division, 1220 South St. Frances Dr., Santa Fe, New Mexico 87505, within 15 days of this letter's date.

Sincerely,

Sandra J. Belt

Sandra J. Belt
Sr. Regulatory Clerk

sjb
Attachments

| | | | |
|---|---|----|---------------|
| US Postal Service Certified Mail Receipt <i>Domestic Mail Only</i> <i>No Insurance Coverage Provided</i> | Postage | \$ | Postmark Here |
| | Certified Fee | | |
| | Return Receipt Fee (Endorsement Required) | | |
| | Restricted Delivery Fee (Endorsement Required) | | |
| | Total Postage & Fees | \$ | |
| Sent To: McVay Drilling P O Box 1348 Hobbs NM 88241 | | | |
| BEUHack34FedSWD1 C108/Dsp Appli. | | | |

160 3901 9846 4321 7661

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Monday, February 13, 2012 10:26 AM
To: 'Belt, Sandra J.'
Cc: Ezeanyim, Richard, EMNRD; Shapard, Craig, EMNRD
Subject: Disposal application from BOPCO, LP: proposed BEU Hackberry 34 Federal #1 (30-015-NA) 800FNL 825FEL A/34/19S/31E Eddy

Hello Sandra,

Thanks for this application. I have mostly GEO questions:

Let me know if the BLM and BOPCO change the surface location – if that happens after the permit is released, we need to amend the permit.

Would you ask your geologist to estimate these formation depths:

- Top and bottom of Salado Salt
- Top and bottom of Capitan Reef
- Top and bottom of the Devonian formation.

Also, will you guys be mudlogging the Devonian? And what sort of elogs will you run over the Devonian?

Is the Devonian on any structure or closure in this area? Is there any regional structure map of the Devonian – send a copy if you can generate one.

I have the application ready to release next Monday if no protests arrive.

Regards,

William V Jones, P.E.
Engineering, Oil Conservation Division
1220 South St. Francis Drive, Santa Fe, NM 87505
Tel 505.476.3448 ~ Fax 505.476.3462



Jones, William V., EMNRD

From: Belt, Sandra J. [SJ.Belt@BassPet.Com]
Sent: Wednesday, February 22, 2012 10:06 AM
To: Dean Chumbley
Cc: Cruz, Carlos; Jones, William V., EMNRD
Subject: RE: BEU Hackberry 34 Fed SWD #1

This will be a non-commercial SWD well. Status is pending further information to be submitted to the OCD from our geology department. Please let us know if you have any further questions. Thank you and have a nice day.

From: Dean Chumbley [mailto:dchumbley@concho.com]
Sent: Wednesday, February 22, 2012 10:44 AM
To: Belt, Sandra J.
Subject: BEU Hackberry 34 Fed SWD #1

Ms. Belt

I am in receipt of your application involving the above subject well. Is this SWD well to be commercial or non-commercial? Also, can you give me the status of the application.

Thank you, I look forward to your response.

Dean Chumbley | Surface Operations Advisor | COG Operating LLC
2208 West Main Street | Artesia, NM 88210 | p: 575.748.6940 | f: 575.748.6950 | dchumbley@concho.com



CONFIDENTIALITY NOTICE: The information in this email may be confidential and/or privileged. If you are not the intended recipient or an authorized representative of the intended recipient, you are hereby notified that any review, dissemination or copying of this email and its attachments, if any, or the information contained herein, is prohibited. If you have received this email in error, please immediately notify the sender by return email and delete this email from your system. Thank you.

Jones, William V., EMNRD

From: Belt, Sandra J. [SJBelt@BassPet.Com]
Sent: Tuesday, February 28, 2012 6:37 AM
To: Jones, William V., EMNRD
Subject: FW: Disposal application from BOPCO, LP: proposed BEU Hackberry 34 Federal #1 (30-015-NA) 800FNL 825FEL A/34/19S/31E Eddy

Good morning Will. If this doesn't answer all of your questions just let me know and you have a good one. (sorry for the delay)

From: Johnson-Hayden, Simianne
Sent: Wednesday, February 22, 2012 9:54 AM
To: Belt, Sandra J.; Cruz, Carlos
Cc: Pregger, Brian; Deans, Jack; Hillis, George
Subject: RE: Disposal application from BOPCO, LP: proposed BEU Hackberry 34 Federal #1 (30-015-NA) 800FNL 825FEL A/34/19S/31E Eddy

Sandra and Carlos:

I am the Geologist on this well. FYI a Geological Prognosis was issued on 11/21/2011 which would answer all but the last of Mr. Jones's questions; however, I will respond here as well. See below answers in **RED**:

Would you ask your geologist to estimate these formation depths:

Top and bottom of Salado Salt: **Top of Salt: +2680 ss; Base of Salt: +1470 ss**
Top and bottom of Capitan Reef: **Top of Capitan: +690 ss; Base of Capitan: -850 ss**
Top and bottom of the Devonian formation: **Top of Devonian: -10250 ss; Base of Devonian: -11250 ss**

*Elevation
17348 ft
(K)*

Also, will you guys be mudlogging the Devonian? And what sort of elogs will you run over the Devonian?

We will mudlog the entire well, including the Devonian. Currently we plan to run GR-DEN-NEU/HRLA/BHC across the interval that includes the Devonian

Is the Devonian on any structure or closure in this area? Is there any regional structure map of the Devonian – send a copy if you can generate one.
No, the Devonian is not on a closed structure at this location.

Simianne C. Johnson-Hayden
Geologist
BOPCO, L.P.
A Bass Legacy Company
201 Main Street, Suite 2900
Fort Worth, TX 76102

817-390-8664
817-390-8626 - fax
sihayden@basspet.com

From: Belt, Sandra J.
Sent: Monday, February 13, 2012 11:38 AM
To: Deans, Jack
Cc: Cruz, Carlos
Subject: FW: Disposal application from BOPCO, LP: proposed BEU Hackberry 34 Federal #1 (30-015-NA) 800FNL 825FEL A/34/19S/31E Eddy

Good morning Jack. Would u please look and the e-mail below from Will Jones, OCD, Santa Fe. If you would be able to address these questions this week and get it back to me I can send it in with the other questions we would surly appreciate it as it seems like this application will be approved by next Monday. Thanks Jack and you have a nice day.

From: Jones, William V., EMNRD [<mailto:William.V.Jones@state.nm.us>]
Sent: Monday, February 13, 2012 11:26 AM
To: Belt, Sandra J.
Cc: Ezeanyim, Richard, EMNRD; Shapard, Craig, EMNRD
Subject: Disposal application from BOPCO, LP: proposed BEU Hackberry 34 Federal #1 (30-015-NA) 800FNL 825FEL A/34/19S/31E Eddy

Hello Sandra,
Thanks for this application. I have mostly GEO questions:

Let me know if the BLM and BOPCO change the surface location – if that happens after the permit is released, we need to amend the permit.

Would you ask your geologist to estimate these formation depths:

- Top and bottom of Salado Salt
- Top and bottom of Capitan Reef
- Top and bottom of the Devonian formation.

Also, will you guys be mudlogging the Devonian? And what sort of elogs will you run over the Devonian?

Is the Devonian on any structure or closure in this area? Is there any regional structure map of the Devonian – send a copy if you can generate one.

I have the application ready to release next Monday if no protests arrive.

7160 3901 9846 43

PS Form 3811, January 2005

Domestic Return Receipt

7160 3901 9846 4322 2670

3. Service Type **CERTIFIED MAIL**

4. Restricted Delivery? (Extra Fee) ☐ Yes

1. Article Addressed to:

CCD
Attn: Bill Jones
1220 S. St. Francis
Santa Fe NM 87505

| COMPLETE THIS SECTION ON DELIVERY | |
|--|---|
| A. Received by (Please Print Clearly) STEPH ORTEGA | B. Date of Delivery 2-2-12 |
| C. Signature <i>Steph Ortega</i> | <input type="checkbox"/> Agent <input type="checkbox"/> Addressee <input type="checkbox"/> Yes <input type="checkbox"/> No |
| D. Is delivery address different from item 1? If YES, enter delivery address below: | |

BEUHack34FedSMD1
C108/SMD Appl1.
1.30.12

7160 3901 9846 4

PS Form 3811, January 2005

Domestic Return Receipt

7160 3901 9846 4322 2687

3. Service Type **CERTIFIED MAIL**

4. Restricted Delivery? (Extra Fee) ☐ Yes

1. Article Addressed to:

CCD
611 S. 1st St.
Albuquerque NM 86210

| COMPLETE THIS SECTION ON DELIVERY | |
|--|---|
| A. Received by (Please Print Clearly) | B. Date of Delivery |
| C. Signature <i>[Signature]</i> | <input type="checkbox"/> Agent <input type="checkbox"/> Addressee <input type="checkbox"/> Yes <input type="checkbox"/> No |
| D. Is delivery address different from item 1? If YES, enter delivery address below: | |

BEU Hack34FedSMD1
C018/SMD Appl1
1.30.12

COMPLETE THIS SECTION ON DELIVERY

| | |
|--|---|
| A. Received by (Please Print Clearly) Haleigh Kernell | B. Date of Delivery 2-2-12 |
| C. Signature <i>Haleigh Kernell</i> | <input type="checkbox"/> Agent <input type="checkbox"/> Addressee <input type="checkbox"/> Yes <input type="checkbox"/> No |
| D. Is delivery address different from item 1? If YES, enter delivery address below: | |

7160 3901 9846 4321 7661

3. Service Type **CERTIFIED MAIL**

4. Restricted Delivery? (Extra Fee) ☐ Yes

1. Article Addressed to:

McVay Drilling
P O Box 1340
Hobbs NM 88241

BEUHack34FedSMD1
C108/Dep Appl1.

PS Form 3811, January 2005

Domestic Return Receipt

h 9495 T06E 09T2

7160 3901 9846 4322 2900

| | |
|--|------------------------------|
| 7160 3901 9846 4322 2900 | |
| 3. Service Type CERTIFIED MAIL | |
| 4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes | |
| 1. Article Addressed to: | |
| COG 540 W Texas, Ste. 100 Midland TX 79701 | Hackberry SWD Appl 2.9.12 |
| PS Form 3811, January 2005 | |
| Domestic Return Receipt | |

| COMPLETE THIS SECTION ON DELIVERY | |
|--|--|
| A. Received by (Please Print Clearly) | B. Date of Delivery |
| <i>[Signature]</i> | 1/3 |
| C. Signature | <input type="checkbox"/> Agent <input type="checkbox"/> Addressee |
| X <i>[Signature]</i> | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| D. Is delivery address different from item 1? If YES, enter delivery address below: | |

2nd attempt; Wrong address on 1st one

PS Form 3800, January 2005

US Postal Service

Certified Mail Receipt

2

7160 3901 9846 4322 2863

| | | | |
|---|--|---|---------------|
| US Postal Service Certified Mail Receipt Domestic Mail Only No Insurance Coverage Provided | Postage | \$ | Postmark Here |
| | Certified Fee | | |
| | Return Receipt Fee (Endorsement Required) | | |
| | Restricted Delivery Fee (Endorsement Required) | | |
| | Total Postage & Fees | \$ | |
| Sent To: | | | |
| COG Operating 500 wall st. Oklahoma City OK 73102 | | BEUHack34FedSWD#1 C100/SWD Appl 1.30.12 | |
| Wrong address | | | |
| PS Form 3800, January 2005 | | US Postal Service | |
| | | Certified Mail Receipt | |
| | | 2 | |

Belt, Sandra J.

From: trackingupdates@fedex.com
Sent: Thursday, February 16, 2012 8:27 AM
To: Belt, Sandra J.
Subject: FedEx Shipment 793234344968 Delivered

This tracking update has been requested by:

Company Name: BOPCO, LP
Name: Sandra Belt
E-mail: sjbelt@basspet.com

Our records indicate that the following shipment has been delivered:

Reference: BEUHack34FedSWD1
Ship (P/U) date: Feb 15, 2012
Delivery date: Feb 16, 2012 7:20 AM
Sign for by: K.NYQUIST
Delivery location: DENVER, CO
Delivered to: Receptionist/Front Desk
Service type: FedEx First Overnight
Packaging type: FedEx Envelope
Number of pieces: 1
Weight: 0.50 lb.
Special handling/Services: Deliver Weekday
Tracking number: 793234344968

| Shipper Information | Recipient Information |
|-------------------------|----------------------------|
| Sandra Belt | Fidelity Explor.& Prod. Co |
| BOPCO, LP | 1700 LINCOLN ST STE 2800 |
| 6 Desta Dr., Suite 3700 | DENVER |
| Midland | CO |
| TX | US |
| US | 80203 |
| 79705 | |

Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 8:26 AM CST on 02/16/2012.

To learn more about FedEx Express, please visit our website at fedex.com.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above, or visit us at fedex.com.

BOPCO WTD PRODUCTION

FEB 15 2012

SENT

Fidelity Explor
1700 Lincoln St
Ste 2800
Denver, CO
80202

COMPLETE THIS SECTION ON DELIVERY

A. Recipient's Name (Please Print Clearly) B. Date of Delivery

☐ Agent
☐ Addressee
☐ Yes
☐ No

Receipt Service

7160 3901 9846 4322 2849

Is delivery address different from item 1?
If YES, enter delivery address below:

US Postal Service

**Certified
Mail
Receipt**

Domestic Mail Only
No Insurance
Coverage Provided

Postage

Certified Fee

Return Receipt Fee
(Endorsement Required)

Restricted Delivery Fee
(Endorsement Required)

Total Postage & Fees

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\$

\$

Postmark
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Sent To:

Fidelity Exploration & Product
625 Broadway #1800
Denver CO 80202

BEUHack34FEASWD1
C100/Disp Appl
1.30.12

PS Form 3800, January 2005

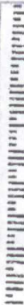
US Postal Service

Certified Mail Receipt

6492 2224 9496 1056 0912

7160 3901 9846 4322 2849
RETURN RECEIPT REQUESTED

FOLD AND TEAR HERE



RETURN TO SENDER
UNABLE TO FORWARD
RETURN TO SENDER

802022058-1N

02/08/12



BOPCO, L.P.
P.O. Box 2760
Midland, Texas 79702

Fidelity Exploration & Product
625 Broadway #1800
Denver CO 80202

BOPCO WTD PRODUCTION

RECEIVED
FEB 15 2012

ADDRESS SERVICE
REQUESTED



21312

2760

Injection Permit Checklist (11/15/2010)

WFX _____ PMX _____ SWD 1319 Permit Date 2/20/12 UIC Qtr (J/F/M)

Wells 1 Well Name(s): BELL HARBOR 39 Federal SWD # 1

API Num: 30-0 15-NA Spud Date: New New/Old N (UIC primacy March 7, 1982)

Footages 800FNL/825FEL Unit A Sec 34 Tsp 195 Rge 31E County EDDY

General Location: 9 mi WNW of Halfway

Operator: BOPCO, L.P. Contact James J. Balle

OGRID: 26037 RULE 5.9 Compliance (Wells) 2/9/12 (Finan Assur) OK IS 5.9 OK? OK

Well File Reviewed _____ Current Status: None

Planned Work to Well: Drill FEOP/INJECT

Diagrams: Before Conversion _____ After Conversion ✓ Elogs in Imaging File: Not Drilled

| Well Details: | Sizes | | Setting Depths | Stage Tool | Cement Sx or Cf | Determination Method |
|-------------------------------------|----------------------|------|----------------|-------------|-----------------|----------------------|
| | Hole..... | Pipe | | | | |
| New <u>✓</u> Existing _____ Surface | <u>26-20"</u> | | <u>800</u> | <u>—</u> | <u>1575</u> | <u>CRC</u> |
| New <u>✓</u> Existing _____ Interm | <u>17 1/2-16</u> | | <u>2700</u> | <u>—</u> | <u>1670</u> | <u>CRC</u> |
| New <u>✓</u> Existing _____ LongSt | <u>14 3/4 10 3/4</u> | | <u>4400</u> | <u>2800</u> | <u>2070</u> | <u>CRC</u> |
| New <u>✓</u> Existing _____ Liner | <u>9 7/8 7 7/8</u> | | <u>13755</u> | <u>4500</u> | <u>1325</u> | <u>(0/2400)</u> |
| New _____ Existing _____ OpenHole | | | | | | |

Depths/Formations: Depths, Ft. Formation Tops?

| | | | |
|--------------------|---------------|-----------------|--|
| Formation(s) Above | <u>13734</u> | <u>Dev</u> | <u>✓</u> |
| Injection TOP: | <u>13755'</u> | <u>Dev</u> | Max. PSI <u>2751</u> OpenHole <u>✓</u> Perfs _____ |
| Injection BOTTOM: | <u>14500'</u> | <u>Dev</u> | Tubing Size <u>4 1/2</u> Packer Depth <u>13690</u> |
| Formation(s) Below | <u>14734</u> | <u>Base Dev</u> | <u>✓</u> |

Capitan Reef? ✓ (Potash? Noticed?) [WIPP? Noticed?] Salado Top/Bot (804-2014) Grit House? _____

Fresh Water: Depths: 905-1520 Formation Rustier Wells? None Analysis? _____ Affirmative Statement ✓

Disposal Fluid Analysis? Sources: Delaware

Disposal Interval: Analysis? _____ Production Potential/Testing: (Note on Structure) WILL LOG AND LOG

Notice: Newspaper Date 1/19/12 Surface Owner BLM Mineral Owner(s) _____

RULE 26.7(A) Affected Persons: Devon/COG McVAY/ZRIRS/FIREX EXPL

AOR: Maps? ✓ Well List? ✓ Producing in Interval? No Wellbore Diagrams? _____

.....Active Wells 0 Repairs? _____ Which Wells? _____

.....P&A Wells 0 Repairs? _____ Which Wells? _____

Issues: _____ Request Sent _____ Reply: _____