DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.
7/14/2014		PRG	7/14/2014	WFX	pMAM1419554614

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505

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]

-WFX

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

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

ConocoPhillips Company
SEMU 243, 246, 247, & 250

Wells
-SEMU 243 42015 30-025-Pending
-SEMU 246 42018 30-025-Pending
-SEMU 247 42019 30-025-Pending

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
X WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

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

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

[B] X Offset Operators, Leaseholders or Surface Owner

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

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

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

[F] ☐ Waivers are Attached

RECEIVED OCD
2014 JUL 14 A 8:12

-SEMU 250 42021 30-025-Pending
POOL
-S+ASSS Glorieta 57380

[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.

Brian Wood		Consultant	7-12-14
Print or Type Name	Signature	Title	Date

brian@permitswest.com
e-mail Address

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: XXX Secondary Recovery _____ Pressure Maintenance _____ Disposal _____ Storage
Application qualifies for administrative approval? _____ Yes _____ No

II. OPERATOR: CONOCOPHILLIPS COMPANY OGRID 217817

ADDRESS: 600 NORTH DAIRY ASHFORD ROAD, HOUSTON TX 77079

CONTACT PARTY: BRIAN WOOD (PERMITS WEST, INC.) PHONE: 505 466-8120

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? XXX Yes _____ No
If yes, give the Division order number authorizing the project: R-1710

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.

SEMU 243
SEMU 246
SEMU 247
SEMU 250

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: BRIAN WOOD TITLE: CONSULTANT

SIGNATURE: B Wood DATE: JULY 11, 2014

E-MAIL ADDRESS: brian@permitswest.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: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

Side 2

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.

Side 1

INJECTION WELL DATA SHEET

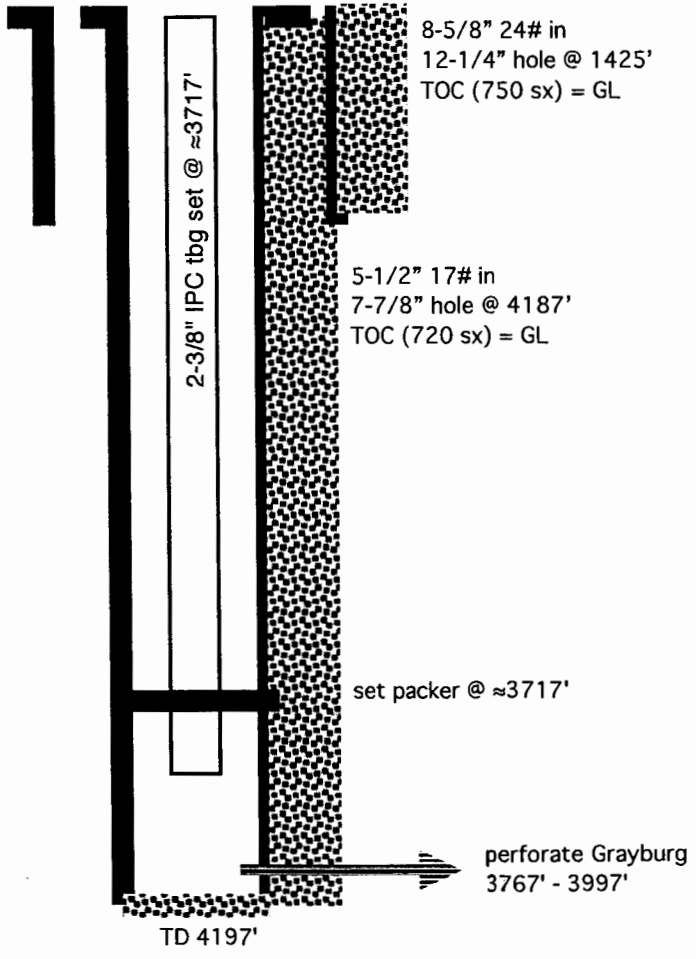
OPERATOR: CONOCOPHILLIPS COMPANY

WELL NAME & NUMBER: SEMU 243

WELL LOCATION: 150' FSL & 2341' FEL | O | 19 | 20 S | 38 E

FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

WELLBORE SCHEMATIC



(not to scale)

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 12-1/4" Casing Size: 8-5/8"

Cemented with: 750 sx. *or* 1167 ft³

Top of Cement: SURFACE Method Determined: VISUAL

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. *or* _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: 7-7/8" Casing Size: 5-1/2"

Cemented with: 720 sx. *or* 1730 ft³

Top of Cement: SURFACE Method Determined: VISUAL

Total Depth: 4187'

Injection Interval

3767' feet to 3997'

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2-3/8" J-55 4.7# Lining Material: INTERNAL PLASTIC COAT

Type of Packer: 2-3/8" x 5-1/2" 17# INTERNAL & EXTERNAL NICKEL PLATED

Packer Setting Depth: ≈3717'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? XXX Yes _____ No

   If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation: GRAYBURG

3. Name of Field or Pool (if applicable): SKAGGS; GRAYBURG (POOL CODE 57380)

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

   NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

   OVER: YATES 2656', SEVEN RIVERS 2899', QUEEN 3474', PENROSE 3619'

   UNDER: SAN ANDRES 3997', BLINEBRY >5900', TUBB >6300', DRINKARD >6700', ABO >6900', McKEE >9,000'

Side 1

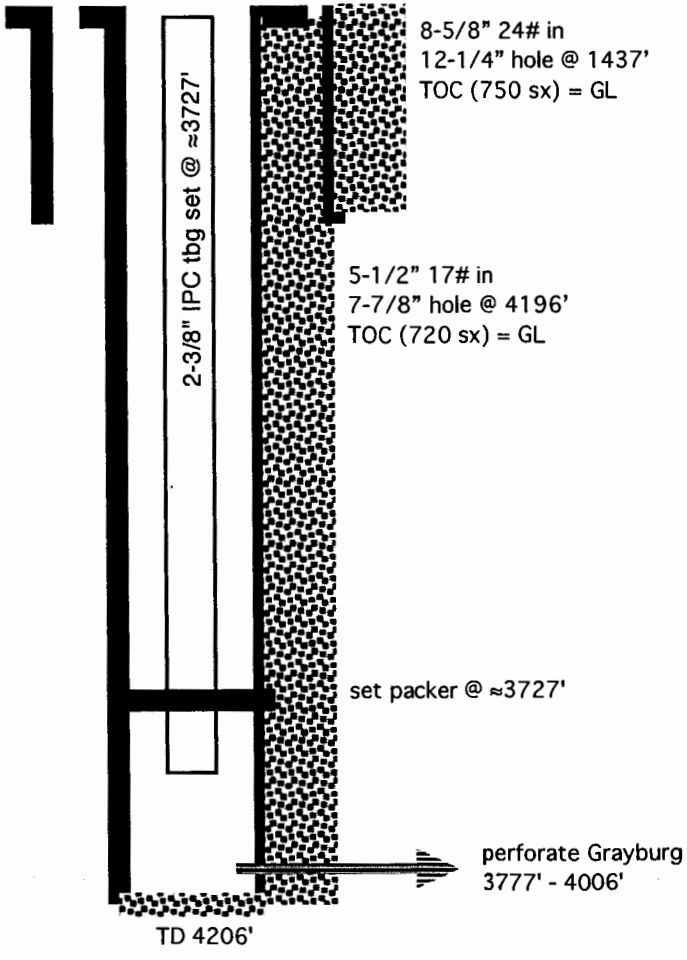
INJECTION WELL DATA SHEET

OPERATOR: CONOCOPHILLIPS COMPANY

WELL NAME & NUMBER: SEMU 246

WELL LOCATION:	1320' FSL & 1464' FEL	J	19	20 S	38 E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC



(not to scale)

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 12-1/4" Casing Size: 8-5/8"

Cemented with: 750 sx. *or* 1167 ft³

Top of Cement: SURFACE Method Determined: VISUAL

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. *or* _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: 7-7/8" Casing Size: 5-1/2"

Cemented with: 720 sx. *or* 1730 ft³

Top of Cement: SURFACE Method Determined: VISUAL

Total Depth: 4206'

Injection Interval

3777' feet to 4006'

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2-3/8" J-55 4.7# Lining Material: INTERNAL PLASTIC COAT

Type of Packer: 2-3/8" x 5-1/2" 17# INTERNAL & EXTERNAL NICKEL PLATED

Packer Setting Depth: ≈3727'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? XXX Yes _____ No

   If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation: GRAYBURG

3. Name of Field or Pool (if applicable): SKAGGS; GRAYBURG (POOL CODE 57380)

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

   NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

   OVER: YATES 2667', SEVEN RIVERS 2911', QUEEN 3485', PENROSE 3629'

   UNDER: SAN ANDRES 4006', BLINEBRY >5900', TUBB >6300', DRINKARD >6700', ABO >6900', McKEE >9,000'

Side 1

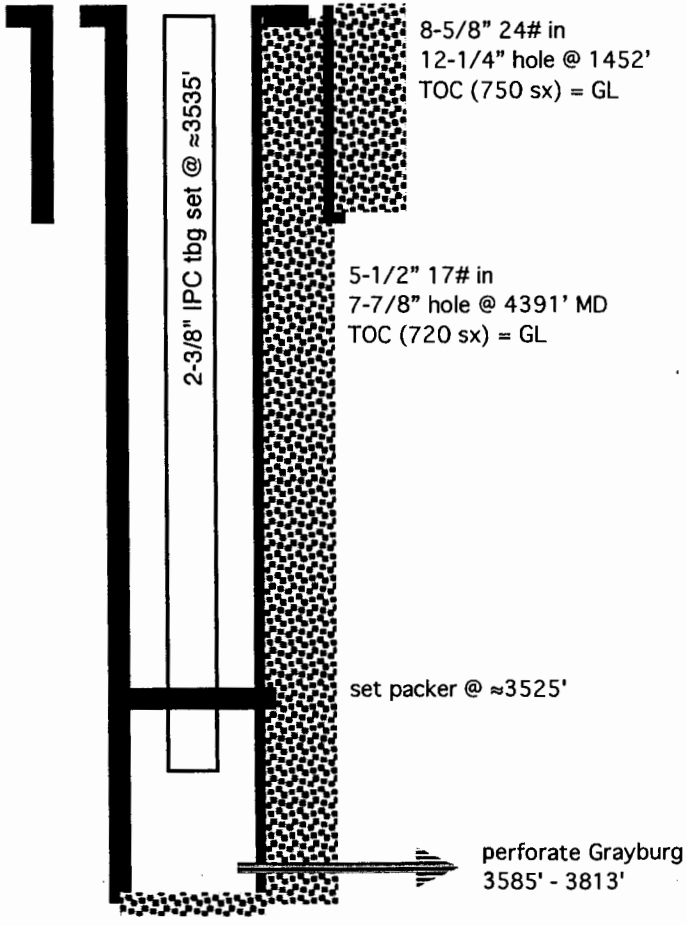
INJECTION WELL DATA SHEET

OPERATOR: CONOCOPHILLIPS COMPANY

WELL NAME & NUMBER: SEMU 247

WELL LOCATION:	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE
	SHL 2139' FNL & 265' FEL	H	24	20 S	37 E
	BHL 1320' FSL & 1464' FEL	J	19	20 S	38 E

WELLBORE SCHEMATIC



(not to scale)

4213
3813

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 12-1/4" Casing Size: 8-5/8"

Cemented with: 750 sx. *or* 1167 ft³

Top of Cement: SURFACE Method Determined: VISUAL

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. *or* _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: 7-7/8" Casing Size: 5-1/2"

Cemented with: 720 sx. *or* 1730 ft³

Top of Cement: SURFACE Method Determined: VISUAL

Total Depth: 4213' TVD & 4391' MD

Injection Interval

3585' feet to 3813'

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2-3/8" J-55 4.7# Lining Material: INTERNAL PLASTIC COAT

Type of Packer: 2-3/8" x 5-1/2" 17# INTERNAL & EXTERNAL NICKEL PLATED

Packer Setting Depth: ≈3535'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? XXX Yes _____ No

   If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation: GRAYBURG

3. Name of Field or Pool (if applicable): SKAGGS; GRAYBURG (POOL CODE 57380)

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

   NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

   OVER: YATES 2500', SEVEN RIVERS 2747', QUEEN 3320', PENROSE 3445'

   UNDER: SAN ANDRES 3813', BLINEBRY >5900', TUBB >6300', DRINKARD >6700', ABO >6900', McKEE >9,000'

Side 1

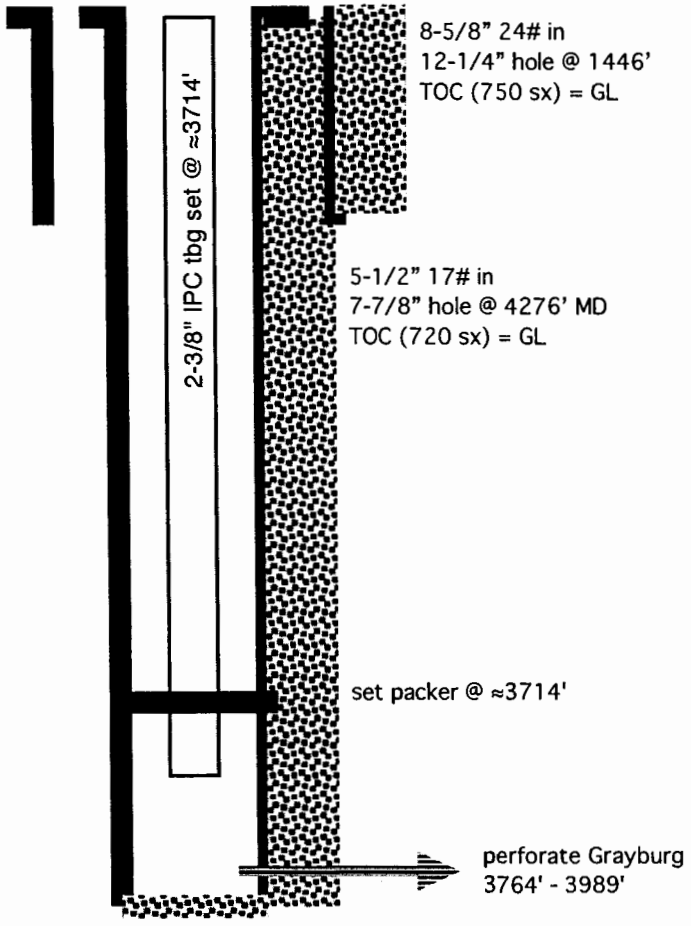
INJECTION WELL DATA SHEET

OPERATOR: CONOCOPHILLIPS COMPANY

WELL NAME & NUMBER: SEMU 250

WELL LOCATION:	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE
	SHL 1371' FNL & 1786' FWL	F	19	20 S	38 E
	BHL 1300' FNL & 1233' FWL	I	19	20 S	38 E

WELLBORE SCHEMATIC



(not to scale)

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 12-1/4" Casing Size: 8-5/8"

Cemented with: 750 sx. *or* 1167 ft^3

Top of Cement: SURFACE Method Determined: VISUAL

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. *or* _____ ft^3

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: 7-7/8" Casing Size: 5-1/2"

Cemented with: 720 sx. *or* 1730 ft^3

Top of Cement: SURFACE Method Determined: VISUAL

Total Depth: 4189' TVD & 4286' MD

Injection Interval

3764' feet to 3989'

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2-3/8" J-55 4.7# Lining Material: INTERNAL PLASTIC COAT

Type of Packer: 2-3/8" x 5-1/2" 17# INTERNAL & EXTERNAL NICKEL PLATED

Packer Setting Depth: ≈3714'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? XXX Yes _____ No

   If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation: GRAYBURG

3. Name of Field or Pool (if applicable): SKAGGS; GRAYBURG (POOL CODE 57380)

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

   NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

   OVER: YATES 2675', SEVEN RIVERS 2908', QUEEN 3480', PENROSE 3616'

   UNDER: SAN ANDRES 3989', BLINEBRY >5900', TUBB >6300', DRINKARD >6700', ABO >6900', McKEE >9,000'

CONOCOPHILLIPS COMPANY
SEMU 243, 246, 247 & 250
LEA COUNTY, NEW MEXICO

I. Purpose is to drill 4 water injection wells to increase oil recovery by converting from a 5-spot to a line drive, and down spacing to a 20-acre pattern. The wells will inject into the Skaggs; Grayburg Pool (pool code = 57380). The pool was discovered in 1937. The well and zone are part of the Skaggs Pool Waterflood (Case Number 1990, Order Number R-1710) that was established in 1960 by Continental Oil Company. There has been at least 1 subsequent expansion, WFX-158 in 1963. This is an active water flood (9 active injectors). See Exhibit A for a map and C-102 forms. Well details are:

Well	SHL	BHL	Injection Interval	TVD
SEMU 243	150 FSL & 2341 FEL 19-20s-38e	same	3767' - 3997'	4197'
SEMU 246	1329 FSL & 1464 FEL 19-20s-38e	same	3777' - 4006'	4206'
SEMU 247	2139 FNL & 265 FEL 24-20s-37e	2495 FSL & 94 FWL 19-20s-38e	3585' - 3813'	4213'
SEMU 250	1371 FNL & 1786 FWL 19-20s-38e	1300 FNL & 1233 FWL 19-20s-38e	3764' - 3989'	4189'

II. Operator: ConocoPhillips Company (OGRID #217817)
Operator phone number: (281) 206-5281 (Susan Maunder)
Operator address: 600 North Dairy Ashford Road, Houston TX 77079
Contact for Application: Brian Wood (Permits West, Inc.)
Phone: (505) 466-8120

III. A. (1) Lease: (BLM) NMLC-031670A
Lease Size: 641.68 acres Lease Area: Lots 1-4, E2W2, SE4, & SWNE of Section 19
N2NE4 & NWNE of Section 30
T. 20 S., R. 38 E.
Participating Area: NMNM-071041A
Participating Area Size: 2,603.58 acres
Participating Area: S2 Section 19
N2N2 Section 30
T. 20 S., R. 38 E. et al

Well	distance to closest lease boundary	distance to closest PA boundary	distance to closest unit boundary
243	1450'	2341'	2341'
246	1464'	1464'	1873'
247 (BHL)	94'	3632'	4134'
250 (BHL)	1233'	2621'	2621'

A. (2) Conductor pipe will be set 40' to 85' deep in a 20" hole. Pipe will be 16" Grade B with ½" WT or 13-3/8" H-40 48#. Pipe will be cemented to the surface with rat hole mix, ready mix, or Class C Neat.

Surface casing (8-5/8", 24#, J-55, ST&C) will be set 25' to 70' into the Rustler in a 12-1/4" hole. Cement (750 sacks) will be circulated to the surface. Setting depths are expected to be:
#243 = 1425' #246 = 1437' #247 = 1434' #250 = 1446'

Production casing (5-1/2", 17#, L-80, LT&C) will be set 10' off the TD in a 7-7/8" hole. Casing will be 155' - 200' below the deepest perforation to provide rat hole for better logging and completion. Cement will be circulated in a single stage to the surface with 720 sacks if no flows or losses are encountered. If flows or losses are encountered, then a 2-stage job will use 720 to 1020 sacks to cement to the surface. Setting depths (MD) are expected to be:
#243 = 4187' #246 = 4196' #247 = 4391' #250 = 4276'

A. (3) Tubing specifications are 2-3/8", J-55, 4.7#, and internally plastic coated. Setting depth will be ≈50' above the highest perforation. Setting depths (TVD) are expected to be:
#243 = 3717' #246 = 3727' #247 = 3535' #250 = 3714'

A. (4) A 2-3/8" x 5-1/2" 17# internal and external nickel-plated injection packer will be set ≈50' above the highest perforation. Setting depths (TVD) are expected to be:
#243 = 3717' #246 = 3727' #247 = 3535' #250 = 3714'

B. (1) Injection formation will be the Skaggs; Grayburg Pool (57380). There are currently 15 injection wells and 58 oil wells in that pool.

B. (2) Injection interval will be the Grayburg. Grayburg ranges in depth from 3585' to 4006' depending on the well. Interval thickness is 225' to 230' depending on the well. See the table on PAGE 1 for more details. All wells will be cased holes. See attached C-108 well profiles for more perforation information.

B. (3) Wells have not yet been drilled. They will be completed as water injection wells after approval.

B. (4) Wells have not yet been drilled. The wells will be perforated in the Grayburg with 3 shots per foot. Shot diameter = 0.36".

B. (5) The next higher oil or gas zone in the area of review is the Queen (Eumont; Yates-7RVRS-Queen and pool code = 22800). Its estimated bottom ranges from 3444' (#247) to 3628' (#246). Injection will occur in the Grayburg. Grayburg top ranges from 3585' (#247) to 3777' (#246). The Penrose (not a pool in the area of review) is unitized with the Grayburg (as are all zones) and separates the Queen from the Grayburg. Minimum Penrose thickness is 140'.

The next lower oil or gas zone is the Skaggs; Paddock (pool code = 57390). The Paddock top is at approximately 5400' and will not be penetrated.

IV. This is not a horizontal or vertical expansion of an existing injection project. Case R-1990 Order R-1710 covers the Grayburg water flood and the location of all wells, as does WFX-158. Closest unit boundary is 1,873' southeast of #246. The waterflood currently has 25 producing oil wells and 9 water injection wells. The Skaggs; Grayburg has produced 7,700 Mbo and 10,465 MMcf to date.

Section 19 borders a second ConocoPhillips' operated Grayburg waterflood (R-2940) on the north (18-20s-38e), northwest (13-20s-37e), and west (24-20s-37e).

V. Exhibit B shows all 46 existing wells (30 oil wells, 5 gas wells, 6 water injection wells, and 10 P & A wells) within a half-mile radius, regardless of depth. Exhibit C shows all 362 existing wells (221 oil or gas wells + 107 P & A wells + 26 injection or disposal wells + 9 water wells) within a two-mile radius.

Exhibit D shows all leases (only BLM and fee) within a half-mile radius. Details on the leases within a half-mile are:

Aliquot Parts in SEMU 243 Area of Review	Lessor	Lease	Lessee(s) of Record	Grayburg operator, if any
S2, SE4NW4, & SW4NE4 19-20s-38e and N2NE4 & NE4NW4 30-20s-38e	BLM	NMLC-031670A	W. D. Burger	ConocoPhillips
W2SE4 20-20s-38e and NW4NW4 29-20s-38e	BLM	NMLC-031670B	W. D. Burger	ConocoPhillips
NW4NW4 30-20s-38e	BLM	NMNM-125793	Apache, Chevron, ConocoPhillips, & ZPZ	ConocoPhillips
S2N2 30-20s-38e	BLM	NMLC-031695A	David M. Warren	ConocoPhillips

Aliquot Parts in SEMU 246 Area of Review	Lessor	Lease	Lessee(s) of Record	Grayburg operator, if any
NE4NE4 19-20s-38e	fee	Fred Turner	Oxy	Oxy
S2, SE4NW4, & SW4NE4 19-20s-38e and N2NE4 & NE4NW4 30-20s-38e	BLM	NMLC-031670A	W. D. Burger	ConocoPhillips
NW4NE4 & SE4NE4 19-20s-38e and W2W2 20-20s-38e and NW4NW4 29-20s-38e	BLM	NMLC-031670B	W. D. Burger	ConocoPhillips

Aliquot Parts in SEMU 247 Area of Review	Lessor	Lease	Lessee(s) of Record	Grayburg operator, if any

W2, NW4SE4, & SW4NE4 19-20s-38e	BLM	NMLC-031670A	Burger	ConocoPhillips
NW4NW4 30-20s-38e	BLM	NMNM-125793	Apache, Chevron, ConocoPhillips, & ZPZ	ConocoPhillips
N2NE4 24-20s-37e	BLM	NMNM-557686	BP, Chevron, ConocoPhillips	ConocoPhillips
S2SE4 & SE4 24-20s-37e and NE4NE4 25-20s-37e	BLM	NMLC-031620A	Chevron, ConocoPhillips, & ZPZ	ConocoPhillips

Aliquot Parts in SEMU 250 Area of Review	Lessor	Lease	Lessee(s) of Record	Grayburg operator, if any
SE4SE4 13-20s-37e and N2NE4 24-20s-37e	BLM	NMNM-557686	BP, Chevron, ConocoPhillips	ConocoPhillips
NE4 & NE4SE4 24-20s-37e	BLM	NMLC-031620A	Chevron, ConocoPhillips, & ZPZ	ConocoPhillips
NESW 18-20s-38e	fee	Joe Camel	Apache & Oxy	Oxy
NW4SW4, S2SW4, & SW4SE4 18-20s-38e and NW4NE4 19-20s-38e	BLM	NMLC-031670B	W. D. Burger	ConocoPhillips
SW4NE4, NW4, N2SW4, & NW4SE4 19-20s-38e	BLM	NMLC-031670A	W. D. Burger	ConocoPhillips

Exhibit E shows all lessors (BLM, fee, and state) within a two-mile radius.

VI. Forty-six wells are within a half-mile radius and all penetrated the Grayburg. The wells include 30 oil wells, 5 gas wells, 6 water injection wells, and 10 P & A wells. A table abstracting the well construction details and histories of the penetrators is in Exhibit F. Diagrams illustrating the P & A wells are in Appendix G. Diagrams are sequenced by well number. The wells and their distances from the proposed injectors are:

API	OPERATOR	WELL	TYPE	T20S, R38E, UNIT-SECTION	TVD	ZONE	FEET FROM SEMU #243

3002507816	ConocoPhillips Company	SEMU BTD 021	G	O-19	9731	Warren; Tubb (G)	647
3002507811	ConocoPhillips Company	SEMU Permian 017	O	N-19	3875	Skaggs; Grayburg	1097
3002507861	ConocoPhillips Company	SEMU Permian 023	G	C-30	3910	Eumont; Yates - 7 Rvrs - Queen (O)	1253
3002535538	ConocoPhillips Company	SEMU BTD 157	O	A-30	7875	Hardy; Tubb - Drinkard, N	1603
3002520500	ConocoPhillips Company	SEMU Burger 081	G	P-19	3940	Eumont; Yates - 7 Rvrs - Queen (G)	1789
3002507820	ConocoPhillips Company	SEMU Permian 034	O	J-19	3911	Skaggs; Grayburg	1876
3002507812	ConocoPhillips Company	SEMU Permian 018	I	K-19	3872	Skaggs; Grayburg	2078
3002535434	ConocoPhillips Company	SEMU Burger 153	G	M-19	8050	Eumont; Yates - 7 Rvrs - Queen (G)	2155
3002534127	ConocoPhillips Company	SEMU BTD 126	O	M-19	7000	Warren; Tubb (G)	2172
3002507863	Conoco Inc	SEMU Permian 016	P & A	F-30	3900	Skaggs; Grayburg	2328
3002507813	ConocoPhillips Company	SEMU Permian 020	I	M-19	3908	Skaggs; Grayburg	2351
3002507860	ConocoPhillips Company	SEMU Permian 022	O	D-30	3900	Skaggs; Grayburg	2426
3002526334	ConocoPhillips Company	SEMU Permian 107	O	J-19	7050	Skaggs; Grayburg	2490
3002507821	ConocoPhillips Company	SEMU Permian 040	P & A	I-19	3926	Skaggs; Grayburg	2501
3002535443	ConocoPhillips Company	SEMU 152	O	G-19	4220	Skaggs; Grayburg	2662

API	OPERATOR	WELL	TYPE	T20S, R38E, UNIT-SECTION	TVD	ZONE	FEET FROM SEMU #246

2/2

3002507816	ConocoPhillips Company	SEMU BTD 021	G	O-19	9731	Warren; Tubb (G)	822
3002507820	ConocoPhillips Company	SEMU Permian 034	O	J-19	3911	Skaggs; Grayburg	833
3002507821	ConocoPhillips Company	SEMU Permian 040	P & A	I-19	3926	Skaggs; Grayburg	1052
3002520500	ConocoPhillips Company	SEMU Burger 081	G	P-19	3940	Eumont; Yates-7 Rvrs-Queen (G)	1066
3002535443	ConocoPhillips Company	SEMU 152	O	G-19	4220	Skaggs; Grayburg	1358
3002507825	ConocoPhillips Company	SEMU McKee 057	P & A	I-19	9224	Warren; McKee	1515
3002526334	ConocoPhillips Company	SEMU Permian 107	O	J-19	7050	Skaggs; Grayburg	1735
3002526269	ConocoPhillips Company	SEMU Burger B 108	O	L-20	7800	Skaggs; Grayburg	1930
3002507811	ConocoPhillips Company	SEMU Permian 17	O	N-19	3875	Skaggs; Grayburg	1956
3002507812	ConocoPhillips Company	SEMU Permian 018	I	K-19	3872	Skaggs; Grayburg	1957
3002535538	ConocoPhillips Company	SEMU BTD 157	O	A-30	7875	Hardy; Tubb-Drinkard, N	2046
3002507818	Conoco Inc.	SEMU Permian 032	P & A	G-19	3901	Skaggs; Grayburg	2071
3002507823	ConocoPhillips Company	SEMU Permian 039	O	H-19	3931	Skaggs; Grayburg	2166
3002507832	ConocoPhillips Company	SEMU McKee 050	O	L-20	9233	Warren; McKee	2245
3002507834	ConocoPhillips Company	SEMU BTD 059	O	M-20	9210	Blinebry Oil & Gas (O)	2262
3002507826	Conoco Inc.	SEMU McKee 063	P & A	G-19	9250	Warren; McKee	2344
3002507824	ConocoPhillips Company	SEMU McKee 051	O	H-19	9220	Warren; McKee	2602
3002507861	ConocoPhillips Company	SEMU Permian 023	G	C-30	3910	Eumont; Yates-7 Rvrs-Queen (O)	2703

API	OPERATOR	WELL	TYPE	UNIT-SECTION	T20S & RANGE	TVD	ZONE	FEET FROM SEMU #247
3002506250	ConocoPhillips Company	SEMU Permian 029	O	H-24	37E	3911	Skaggs; Grayburg	427
3002507815	ConocoPhillips Company	SEMU Permian 028	I	E-19	38E	3920	Skaggs; Grayburg	947
3002506256	ConocoPhillips Company	SEMU Permian 014	P & A	I-24	37E	3900	Skaggs; Grayburg	1223
3002534313	ConocoPhillips Company	SEMU BTD 128	O	I-24	37E	7005	Warren; Tubb (G)	1232
3002507810	ConocoPhillips Company	SEMU Permian 015	O	L-19	38E	3848	Skaggs; Grayburg	1485
3002506253	ConocoPhillips Company	SEMU Permian 036	I	A-24	37E	3910	Skaggs; Grayburg	1535
3002534921	ConocoPhillips Company	SEMU Berger 141	G	D-19	38E	3304	Eumont; Yates-7 Rvrs-Queen (G)	1659
3002506251	ConocoPhillips Company	SEMU Permian 035	P & A	G-24	37E	3920	Skaggs; Grayburg	1728
3002507819	ConocoPhillips Company	SEMU Permian 033	O	D-19	38E	3922	Skaggs; Grayburg	1755
3002506252	ConocoPhillips Company	SEMU Permian 037	O	J-24	37E	3910	Skaggs; Grayburg	2076
3002534126	ConocoPhillips Company	SEMU BTD 125	O	M-18	38E	7000	Warren; Tubb (G)	2203
3002507814	ConocoPhillips Company	SEMU Permian 027	O	F-19	38E	3906	Skaggs; Grayburg	2265
3002506254	ConocoPhillips Company	SEMU Permian	O	B-24	37E	3920	Skaggs; Grayburg	2271

		038						
3002534127	ConocoPhillips Company	SEMU BTD 126	O	M-19	38E	7000	Warren; Tubb (G)	2298
3002506249	ConocoPhillips Company	SEMU Permian 024	O	P-24	37E	3941	Skaggs; Grayburg	2509
3002507812	ConocoPhillips Company	SEMU Permian 018	I	K-19	38E	3872	Skaggs; Grayburg	2538
3002535434	ConocoPhillips Company	SEMU Berger 153	G	M-19	38E	8050	Eumont; Yates-7 Rvrs-Queen (G)	2592
3002507813	ConocoPhillips Company	SEMU Permian 020	I	M-19	38E	3908	Skaggs; Grayburg	2646

API	OPERATOR	WELL	TYPE	UNIT-SECTION	T20S & RANGE	TVD	ZONE	FEET FROM SEMU #250
3002507814	ConocoPhillips Company	SEMU Permian 027	O	F-19	38E	3906	Skaggs; Grayburg	628
3002534921	ConocoPhillips Company	SEMU Burger 141	G	D-19	38E	3304	Eumont; Yates-7 Rvrs-Queen (G)	632
3002507817	ConocoPhillips Company	SEMU Permian 031	I	C-19	38E	3697	Skaggs; Grayburg	756
3002507815	ConocoPhillips Company	SEMU Permian 028	I	E-19	38E	3920	Skaggs; Grayburg	1269
3002507819	ConocoPhillips Company	SEMU Permian 033	O	D-19	38E	3922	Skaggs; Grayburg	1330
3002526334	ConocoPhillips Company	SEMU Permian 107	O	J-19	38E	7050	Skaggs; Grayburg	1573

3002507818	Conoco Inc	SEMU Permian 032	P & A	G-19	38E	3901	Skaggs; Grayburg	1635
3002507822	ConocoPhillips Company	SEMU Permian 073	O	B-19	38E	3922	Skaggs; Grayburg	1680
3002507826	Conoco Inc	SEMU McKee 063	P & A	G-19	38E	9250	Warren; McKee	1872
3002507812	ConocoPhillips Company	SEMU Permian 018	I	K-19	38E	3872	Skaggs; Grayburg	1937
3002507801	ConocoPhillips Company	SEMU Permian 074	O	N-18	38E	3954	Skaggs; Grayburg	2058
3002534126	ConocoPhillips Company	SEMU BTD 125	O	M-18	38E	7000	Warren; Tubb (G)	2111
3002529089	Conoco Inc	SEMU Burger B 121	P & A	N-18	38E	7923	Skaggs; Drinkard	2119
3002512760	ConocoPhillips Company	SEMU Burger 072	P & A	B-19	38E	9250	Warren; McKee	2126
3002507810	ConocoPhillips Company	SEMU Permian 015	O	L-19	38E	3848	Skaggs; Grayburg	2226
3002507799	ConocoPhillips Company	SEMU Permian 076	I	M-18	38E	3929	Skaggs; Grayburg	2328
3002535443	ConocoPhillips Company	SEMU 152	O	G-19	38E	4220	Skaggs; Grayburg	2338
3002507820	ConocoPhillips Company	SEMU Permian 034	O	J-19	38E	3911	Skaggs; Grayburg	2470
3002506250	ConocoPhillips Company	SEMU Permian 029	O	H-24	37E	3911	Skaggs; Grayburg	2518
3002507808	OXY USA WTP LP	Fred Turner Jr A 001	O	A-19	38E	4150	Skaggs; Grayburg	2543
3002507800	ConocoPhillips Company	SEMU Permian 075	O	O-18	38E	3933	Skaggs; Grayburg	2547

3002506253	ConocoPhillips Company	SEMU Permian 036	I	A-24	37E	3910	Skaggs; Grayburg	2548
3002507797	ConocoPhillips Company	SEMU Burger B 071	P & A	O-18	38E	9266	Skaggs; Drinkard	2640

VII. 1. Average injection rate will be ≈750 bwpd per well.
Maximum injection rate will be 900 bwpd per well.

2. System will be closed. Wells will tie into an existing unit pipeline system.

3. Average injection pressure will be ≈1,000 psi. Maximum injection pressure will be 1,400 psi (see step rate test from adjacent SEMU 76, 30-025-07799 in M-18-20s-38e, Exhibit H).

4. Water source will be produced water from the Grayburg formation.

5. There are currently 30 Grayburg oil wells producing in the unit. It is the goal of the project to increase production from the Grayburg. There are also 9 Grayburg water injection wells in the unit. There are 6,270 Grayburg oil wells in New Mexico.

VIII. The Skaggs; Grayburg pool is on a monocline on the east side of the Monument high. Porosity pinches out up dip. The Grayburg consists of sand, sandy dolomite, and fine to medium crystalline dolomite with some zones of pinpoint to vuggy porosity. Core analysis found average porosity was 6.5%. Permeability ranged from 5 to 10 millidarcies. Estimated fracture gradient is ≈0.95 psi per foot.

There are currently 1,777 Grayburg injection wells and 12 Grayburg saltwater disposal wells in the state. Formation tops are:

	SEMU 243	SEMU 246	SEMU 247	SEMU 250	contents
Quaternary	GL	GL	GL	GL	fresh water
Rustler	1355	1367	1182	1376	anyhydrite
Salado (top of salt)	1456	1465	1273	1462	salt
Tansill (base of salt)	2530	2542	2371	2575	gas, oil, & water
Yates	2656	2667	2500	2675	gas, oil, & water
Seven Rivers	2899	2911	2747	2908	gas, oil, & water
Queen	3474	3485	3320	3480	gas, oil, & water
Penrose	3619	3629	3445	3616	gas, oil, & water
Grayburg (injection zone)	3767	3777	3585	3764	gas, oil, & water
San Andres	3997	4006	3813	3989	gas, oil, & water
Total Depth (TVD)	4197	4206	4013	4189	

Records from the Office of the State Engineer (Exhibit I) indicate 3 wells are within a mile radius. Deepest of the wells is 155'. Two of the wells supply Burgundy Oil's waterflood. The third well (L 08071) could not be found during a May 28, 2014 inspection.

Two stock watering wells not in the State Engineer's database were found and sampled (Exhibit J). A well ("CP-SEMU-SE" analysis) in NESE 30-20s-38e is 3,894' southeast of SEMU 243. A well ("Cement Well" on the USGS map and "CP-SEMU-NW" analysis) in NESW 13-20s-37e is 5,507' northwest of SEMU 247. A third well not in the database was visited in the SWSW 17-20s-38e, but found to be dry at the time of the inspection. That dry well is 4,632' northeast of SEMU 250. While no depth information is available, all are within the Ogallala aquifer boundary. No existing underground drinking water sources are below the Grayburg within a mile radius.

There will be >3,000' of vertical separation and >1,000' of anhydrite and salt between the bottom of the only likely underground water source (Ogallala) and the top of the Grayburg.

Produced water has been injected into three zones (Yates, Seven Rivers, and Queen) above the Grayburg in 17 wells within T. 20 S., R. 37 E. and R. 38 E.

IX. The wells will be stimulated with acid to clean out scale or fill.

X. Spectral gamma ray, PE, resistivity (laterologs), bulk density, sonic, caliper, total gamma ray and neutron will be run.

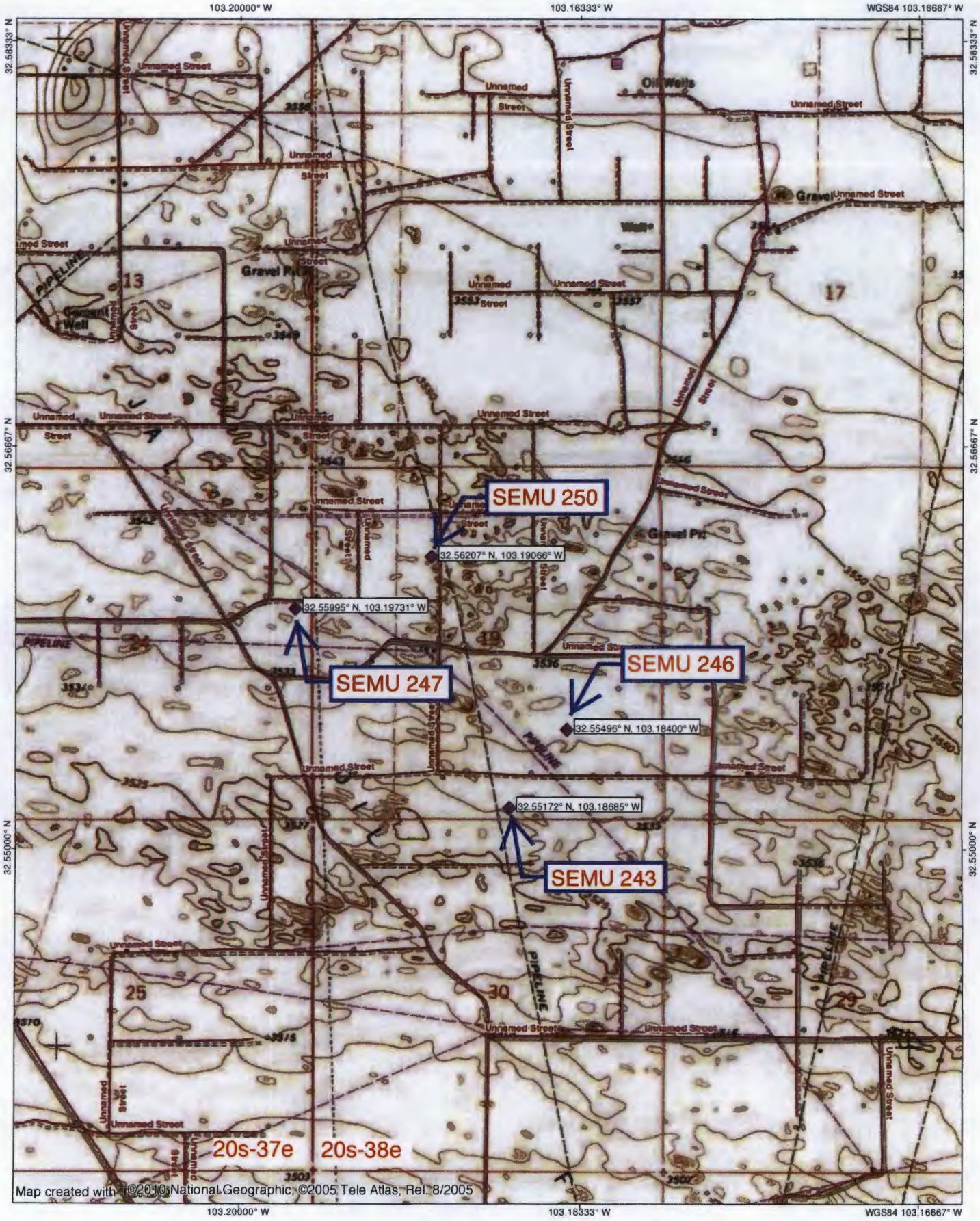
The following logs may also be run: mud log, dielectric scanner, formation pressure data (XPT), FMI (formation micro imager), UBI (ultrasonic borehole imager), and CBL. Rotary sidewall cores may also be cut.

XI. One fresh water well is within a mile and flowing. Another fresh water well is 227' beyond a mile. Analyses from both stock wells are attached (Exhibit J).

XII. ConocoPhillips is not aware of any geologic or engineering data that may indicate the Grayburg is in hydrologic connection with any underground sources of water. Closest Quaternary fault is over 90 miles west (Exhibit K). Water has been injected into the Grayburg in Section 19 for the last 53 years. Over 5,610,494 barrels have been injected in the Grayburg in Section 19 since 1993. There are 1,770 injection and 12 saltwater disposal wells active in the Grayburg in the New Mexico portion of the Permian Basin. Previously approved Grayburg water flood expansions in the unit include WFX-158 (November, 1963).

XIII. A legal ad (see Exhibit L) was published on June 6, 2014. Notice (this application) has been sent (Exhibit M) to the surface owner (BLM), the offset Grayburg operators (Oxy), and other lessee or leasehold operating rights holders (Apache (ZPZ), BP, Burger, Burgundy, Chevron, Cross Timbers, GOP, Hendrix, KNW, Oxy, Penroc, RRS, Warren, XTO).

TOPO! map printed on 05/17/14 from "Untitled.tpo"



NATIONAL GEOGRAPHIC

0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 miles
0.0 0.5 1.0 km

EXHIBIT A

TN MN
7°
05/17/14

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025-	57380	Skaggs; Grayburg

[4] Property Code	[5] Property Name	[6] Well Number
	SEMU	243

[7] OGRID No.	[8] Operator Name	[9] Elevation
217817	ConocoPhillips Company	3532'

[10] Surface Location

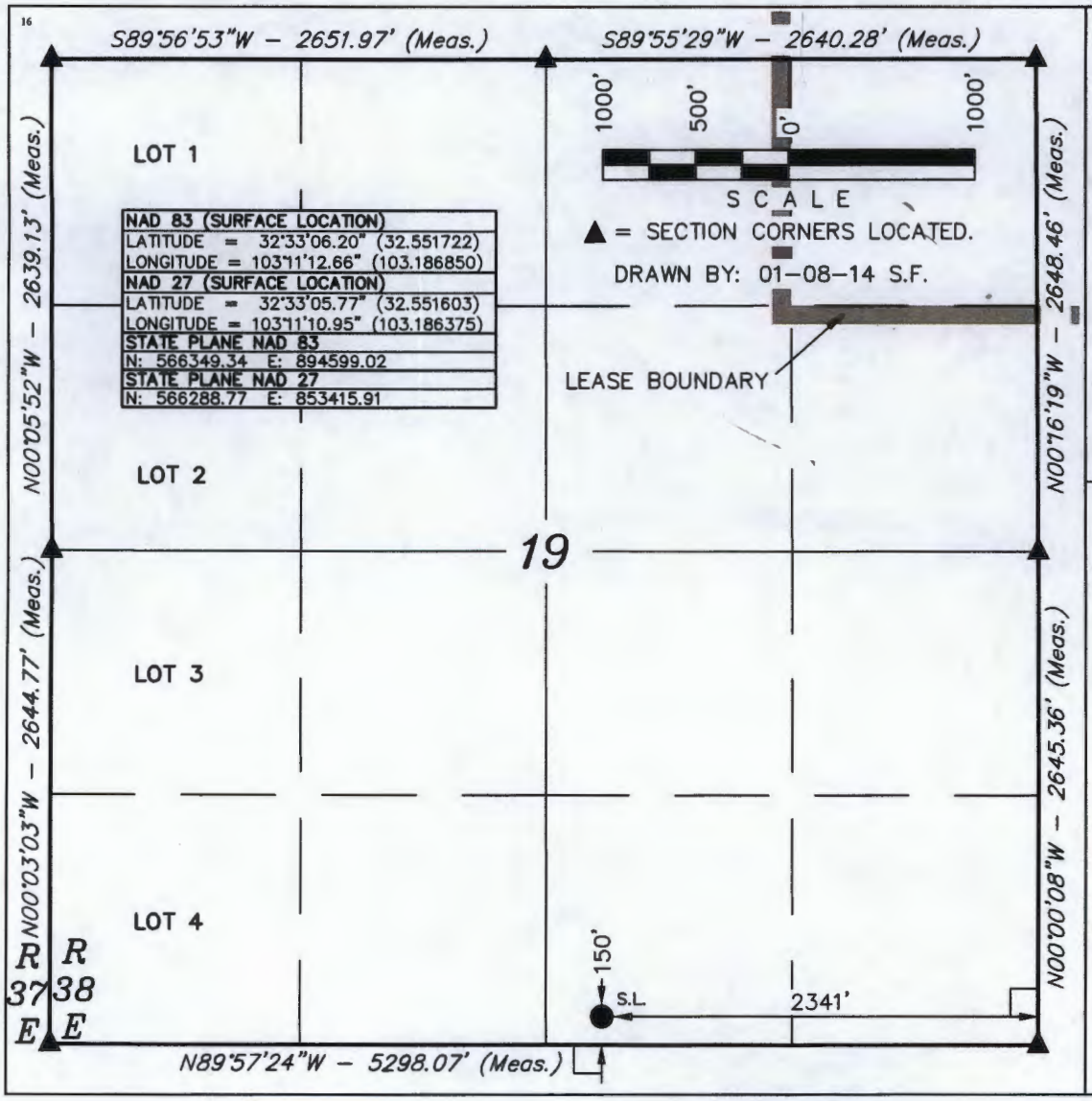
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	19	20 S	38 E		150	SOUTH	2341	EAST	LEA

[11] 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

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
40			

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.



[17] OPERATOR CERTIFICATION

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.

Signature Date

Susan B. Maunder

Printed Name

Susan.B.Maunder@conocophillips.com

E-mail Address

[18] SURVEYOR CERTIFICATION

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.

December 13, 2013

Date of Survey

Signature and Seal of Professional Surveyor:

PROFESSIONAL SURVEYOR NEW MEXICO 12446 NELSON J. MARSHALL 01-10-14

Certificate Number

EXHIBIT A

District I
1625 N. French Dr , Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name

[4] Property Code	[5] Property Name	[6] Well Number
	SEMU	246

[7] OGRID No.	[8] Operator Name	[9] Elevation
	ConocoPhillips Company	3538'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	19	20 S	38 E		1329	SOUTH	1464	EAST	LEA

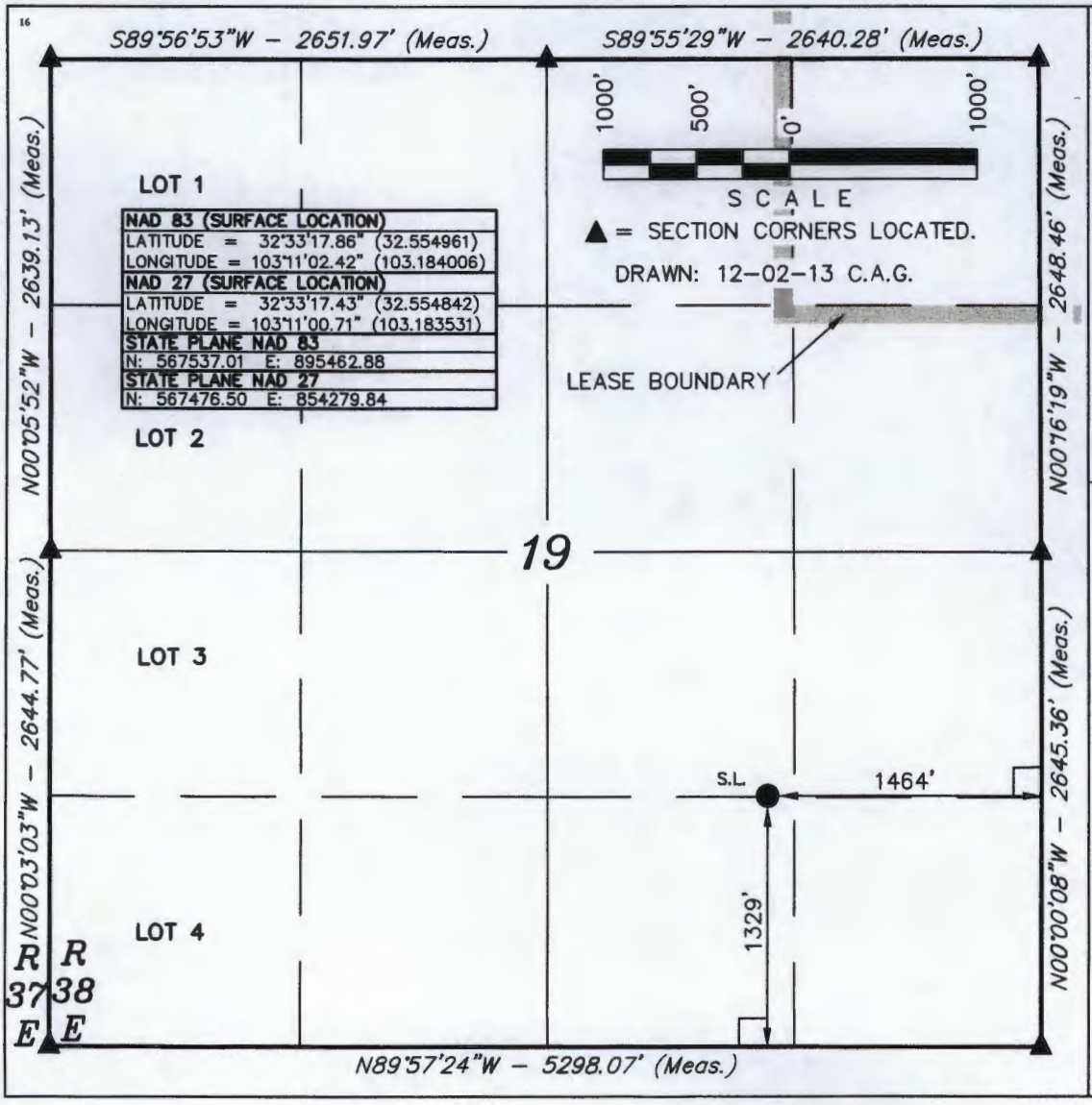
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
40			

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.

[16]



[17] OPERATOR CERTIFICATION

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.

Signature Date

Printed Name

E-mail Address

[18] SURVEYOR CERTIFICATION

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.

September 13, 2013

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number

EXHIBIT A

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025-	57380	Skaggs; Grayburg

[4] Property Code	[5] Property Name	[6] Well Number
	SEMU	247

[7] OGRID No.	[8] Operator Name	[9] Elevation
217817	ConocoPhillips Company	3539'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	24	20S	37E		2139	NORTH	265	EAST	LEA

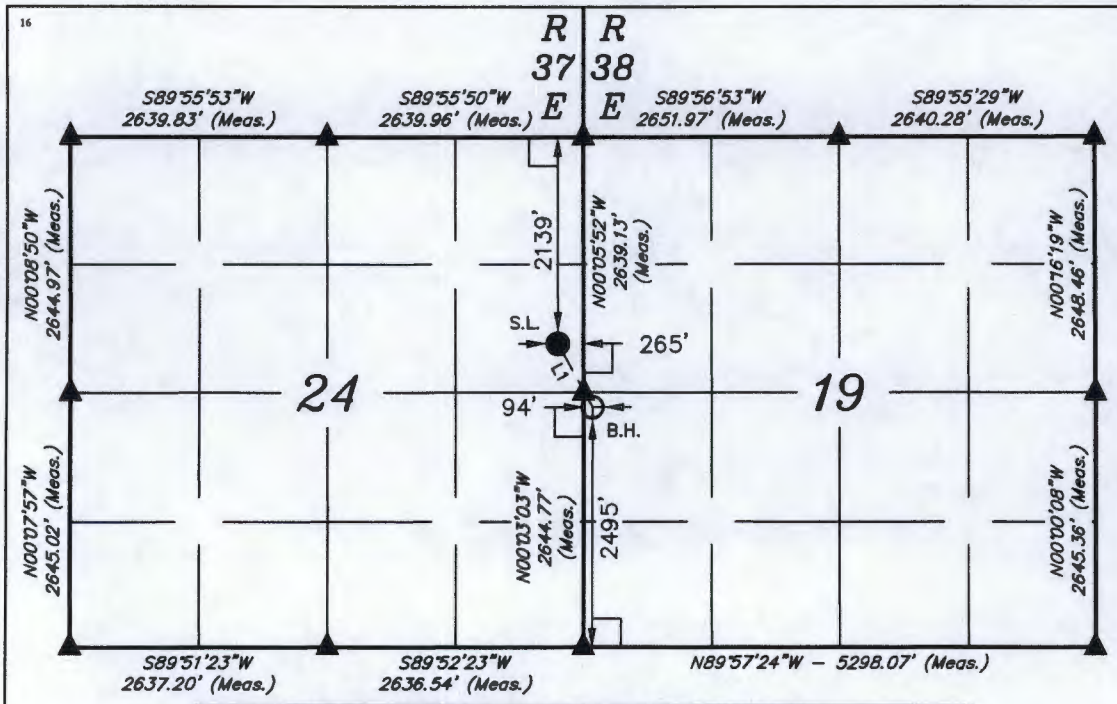
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	19	20S	38E		2495	SOUTH	94	WEST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
120			

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.

[16]



NAD 83 (SURFACE LOCATION)	NAD 83 (BOTTOM HOLE)
LATITUDE = 32°33'35.85" (32.559958)	LATITUDE = 32°33'29.42" (32.558172)
LONGITUDE = 103°11'50.34" (103.197317)	LONGITUDE = 103°11'46.13" (103.196147)
NAD 27 (SURFACE LOCATION)	**NAD 27 (BOTTOM HOLE)**
LATITUDE = 32°33'35.42" (32.559839)	LATITUDE = 32°33'28.99" (32.558053)
LONGITUDE = 103°11'48.62" (103.196839)	LONGITUDE = 103°11'44.42" (103.195672)
STATE PLANE NAD 83	**STATE PLANE NAD 83**
N: 569311.11 E: 891342.21	N: 568664.98 E: 891709.19
STATE PLANE NAD 27	**STATE PLANE NAD 27**
N: 569250.33 E: 850159.22	N: 568604.23 E: 850526.17

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S28°58'56"E	743.15'

▲ = SECTION CORNERS LOCATED.

2000' 1000' 0' 2000'

SCALE

DRAWN BY: 01-07-14 S.F.

[17] OPERATOR CERTIFICATION

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.

Signature Date

Printed Name

E-mail Address

[18] SURVEYOR CERTIFICATION

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.

December 15, 2013

Date of Survey

Signature and Seal of Professional Surveyor

Certificate Number

EXHIBIT A

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025-	57380	SKAGGS; GRAYBURG

[4] Property Code	[5] Property Name	[6] Well Number
	SEMU	250

[7] OGRID No.	[8] Operator Name	[9] Elevation
217817	ConocoPhillips Company	3541'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	19	20 S	38 E		1371	NORTH	1786	WEST	LEA

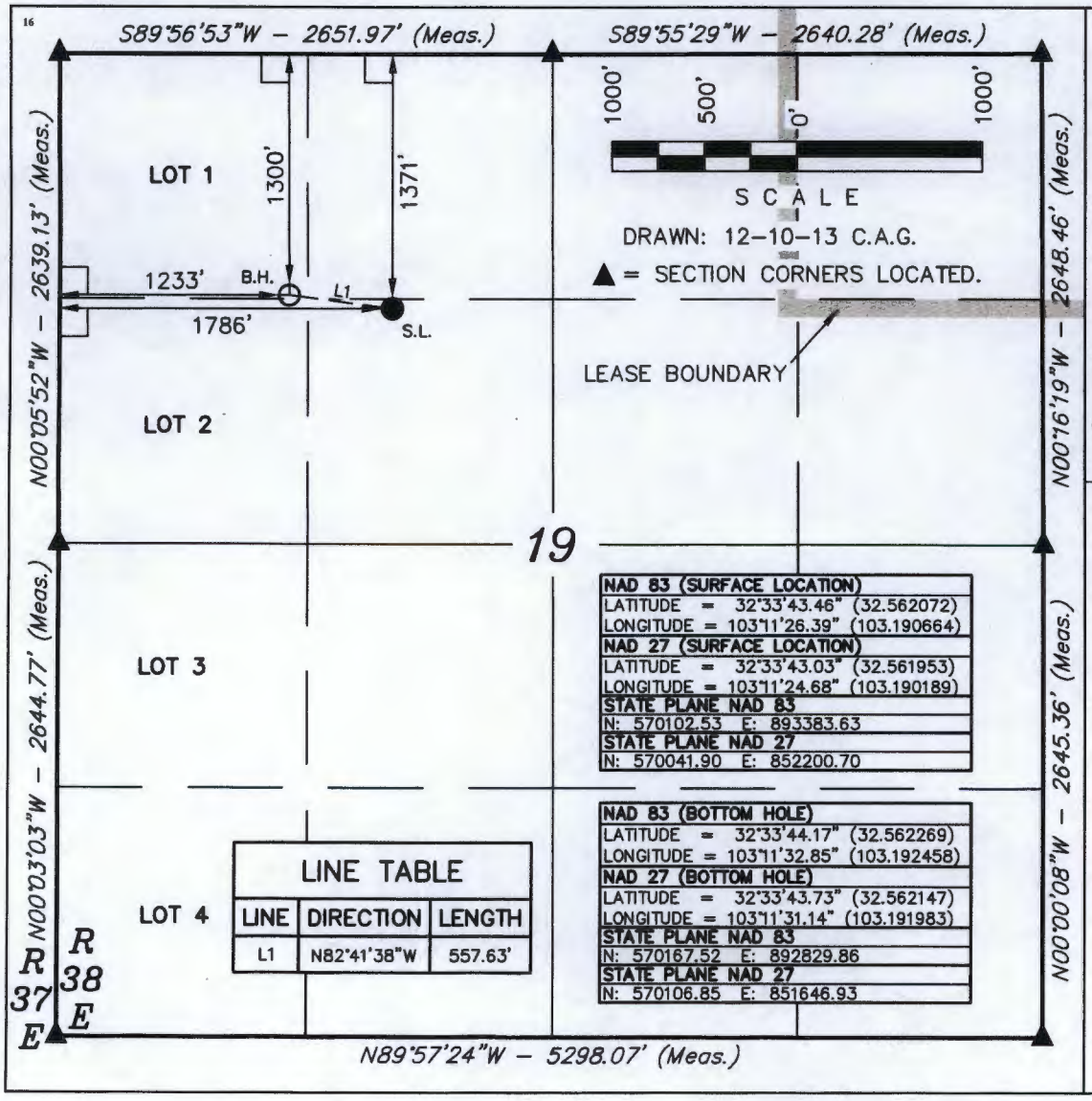
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	19	20 S	38 E		1300	NORTH	1233	WEST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
40			

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.

[16]



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N82°41'38"W	557.63'

[17] OPERATOR CERTIFICATION

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.

Signature Date

SUSAN B. MAUNDER
Printed Name

Susan.B.Maunder@conocophillips.com
E-mail Address

[18] SURVEYOR CERTIFICATION

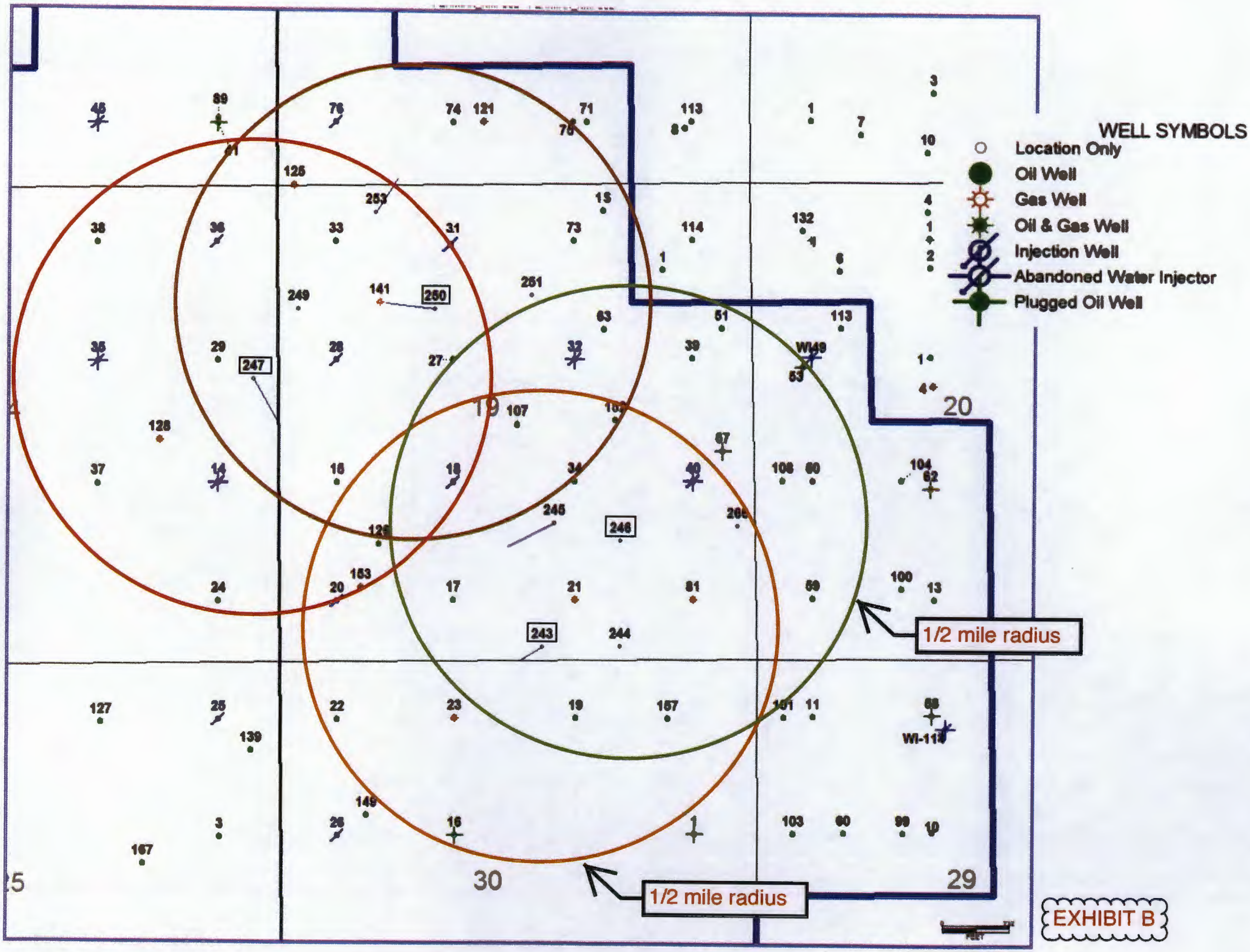
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

September 4, 2013
Date of Survey

Signature and Seal of Professional Surveyor:

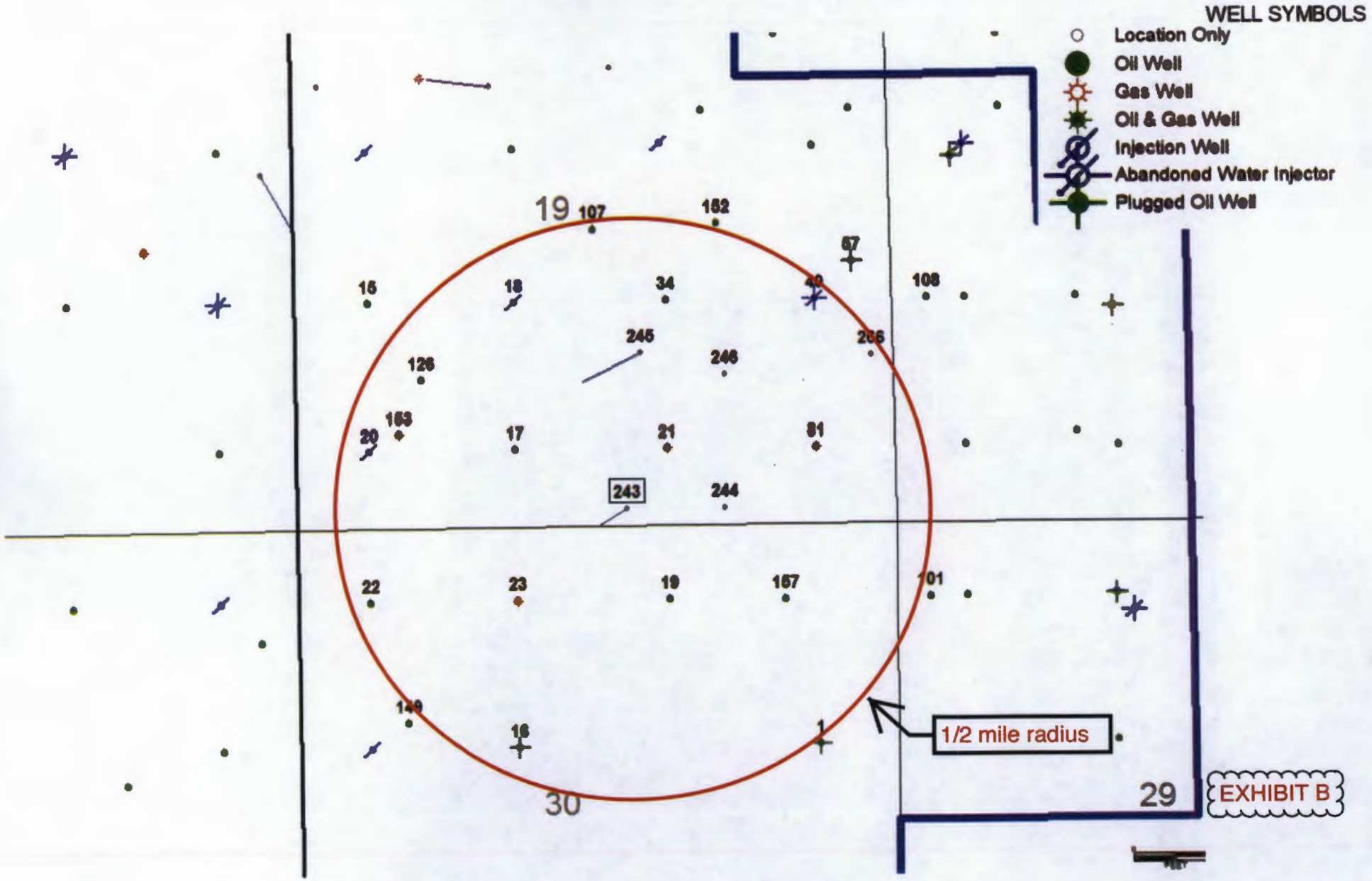
Certificate Number:

EXHIBIT A

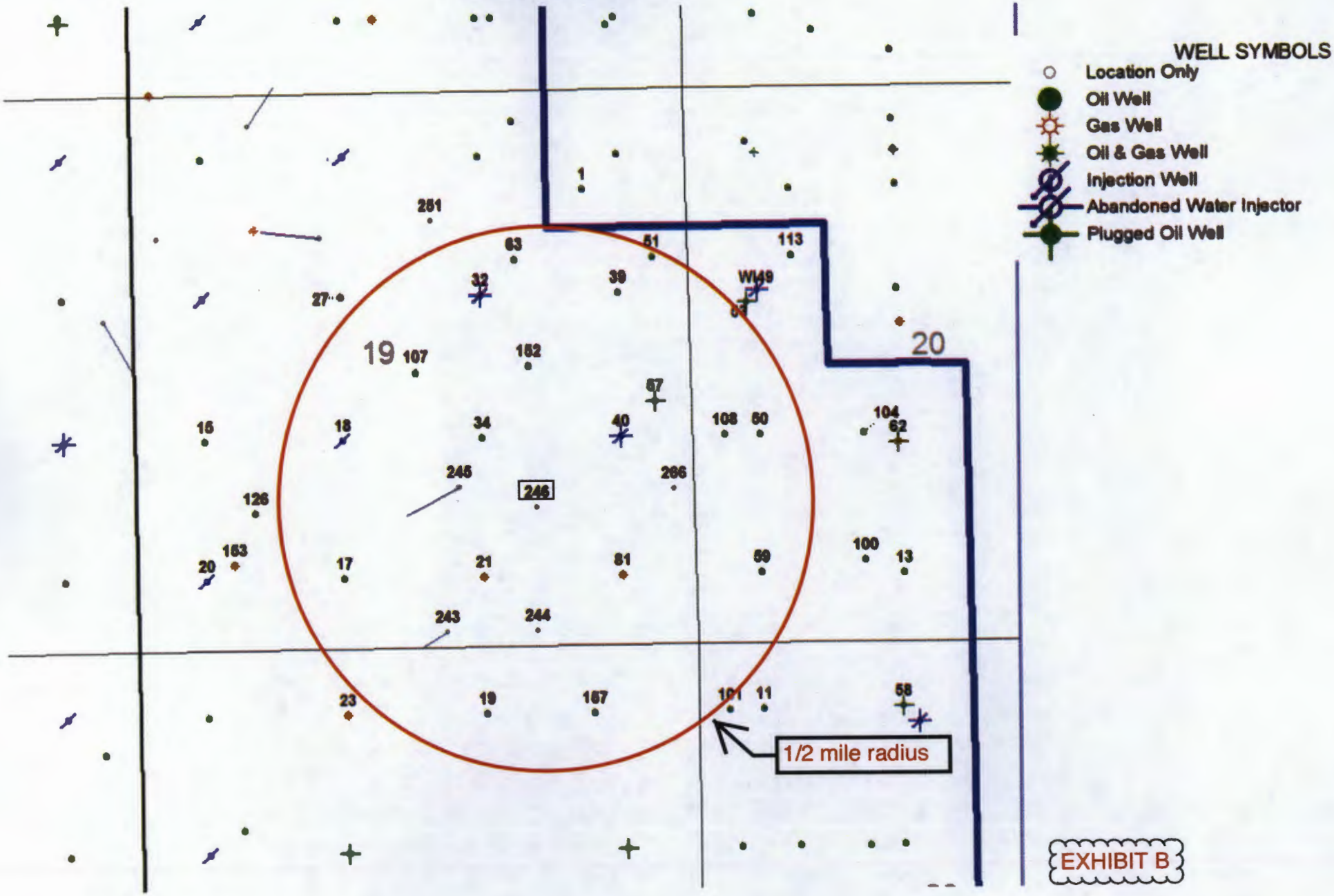


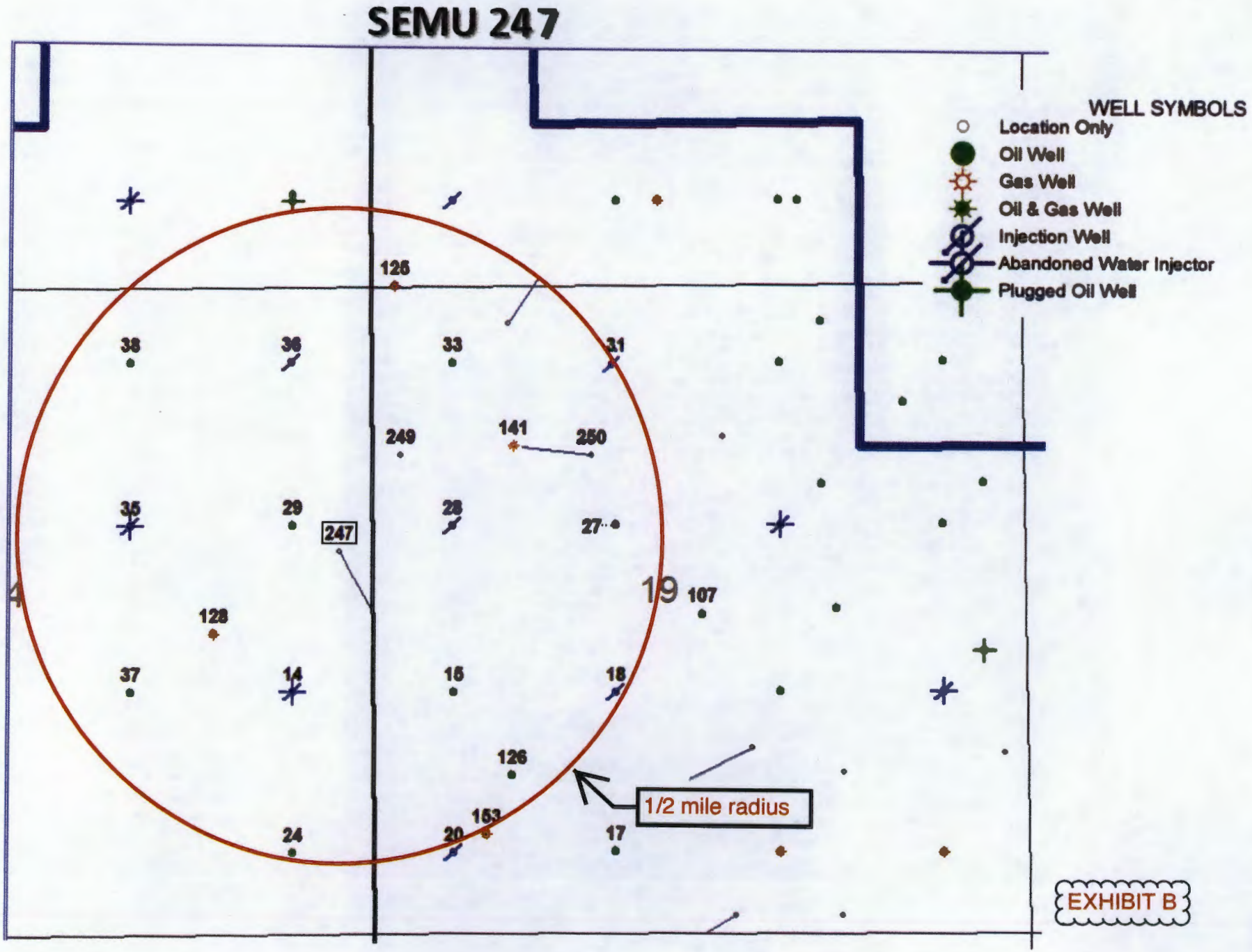
WELL SYMBOLS
Location Only
Oil Well
Gas Well
Oil & Gas Well
Injection Well
Abandoned Water Injector
Plugged Oil Well
19
20
30
29
1/2 mile radius
1/2 mile radius
EXHIBIT B

SEMU 243


WELL SYMBOLS
Location Only
Oil Well
Gas Well
Oil & Gas Well
Injection Well
Abandoned Water Injector
Plugged Oil Well
19
30
29
107
152
67
15
18
34
108
245
246
126
153
20
17
21
81
243
244
22
23
19
157
101
149
16
1
1/2 mile radius
EXHIBIT B

SEMU 246


WELL SYMBOLS
Location Only
Oil Well
Gas Well
Oil & Gas Well
Injection Well
Abandoned Water Injector
Plugged Oil Well
19
20
246
1/2 mile radius
EXHIBIT B


SEMU 247
WELL SYMBOLS
Location Only
Oil Well
Gas Well
Oil & Gas Well
Injection Well
Abandoned Water Injector
Plugged Oil Well
126
38
36
33
31
249
141
250
35
29
28
27
247
19
107
128
37
14
15
18
126
153
24
20
17
1/2 mile radius
EXHIBIT B

SEMU 250

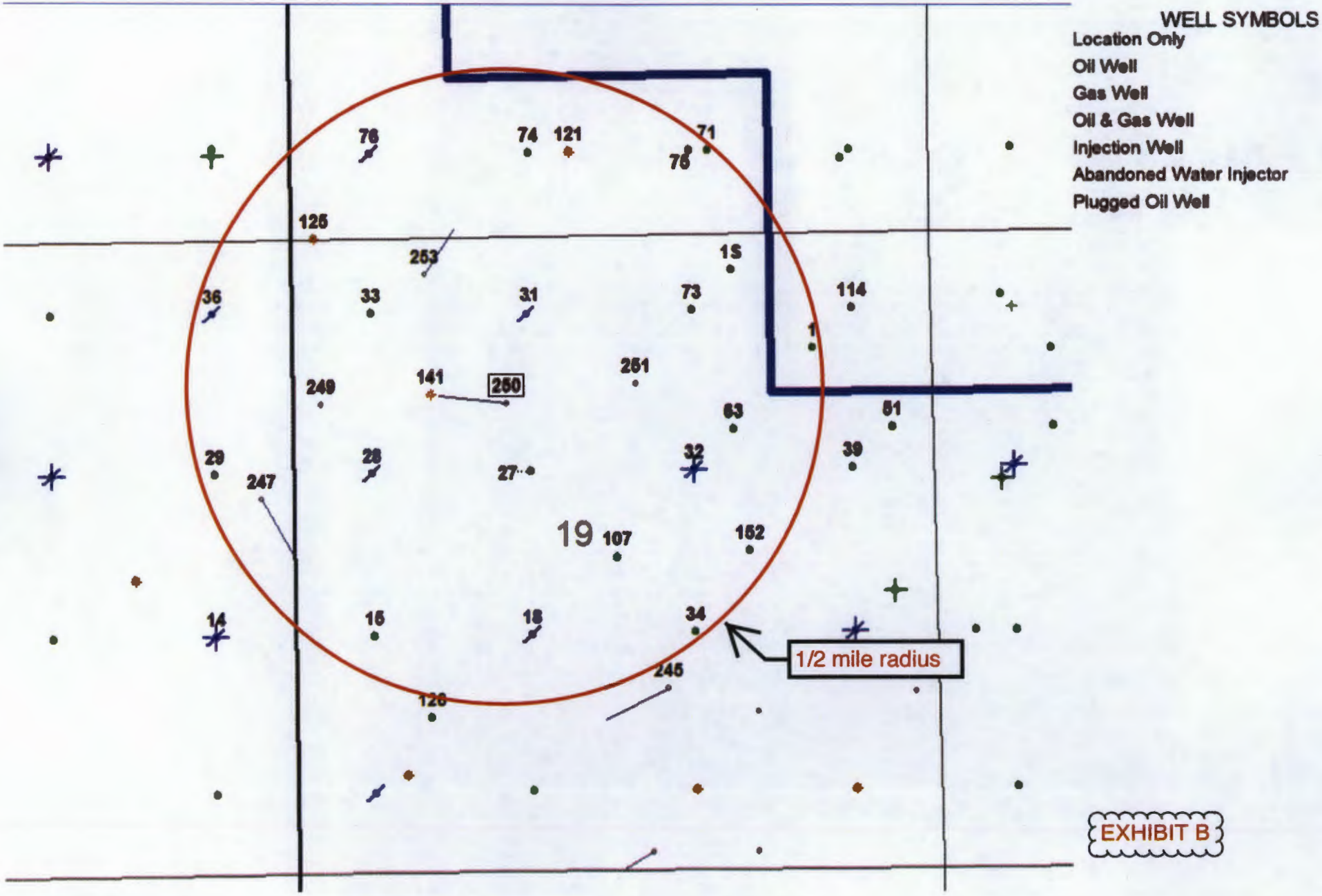
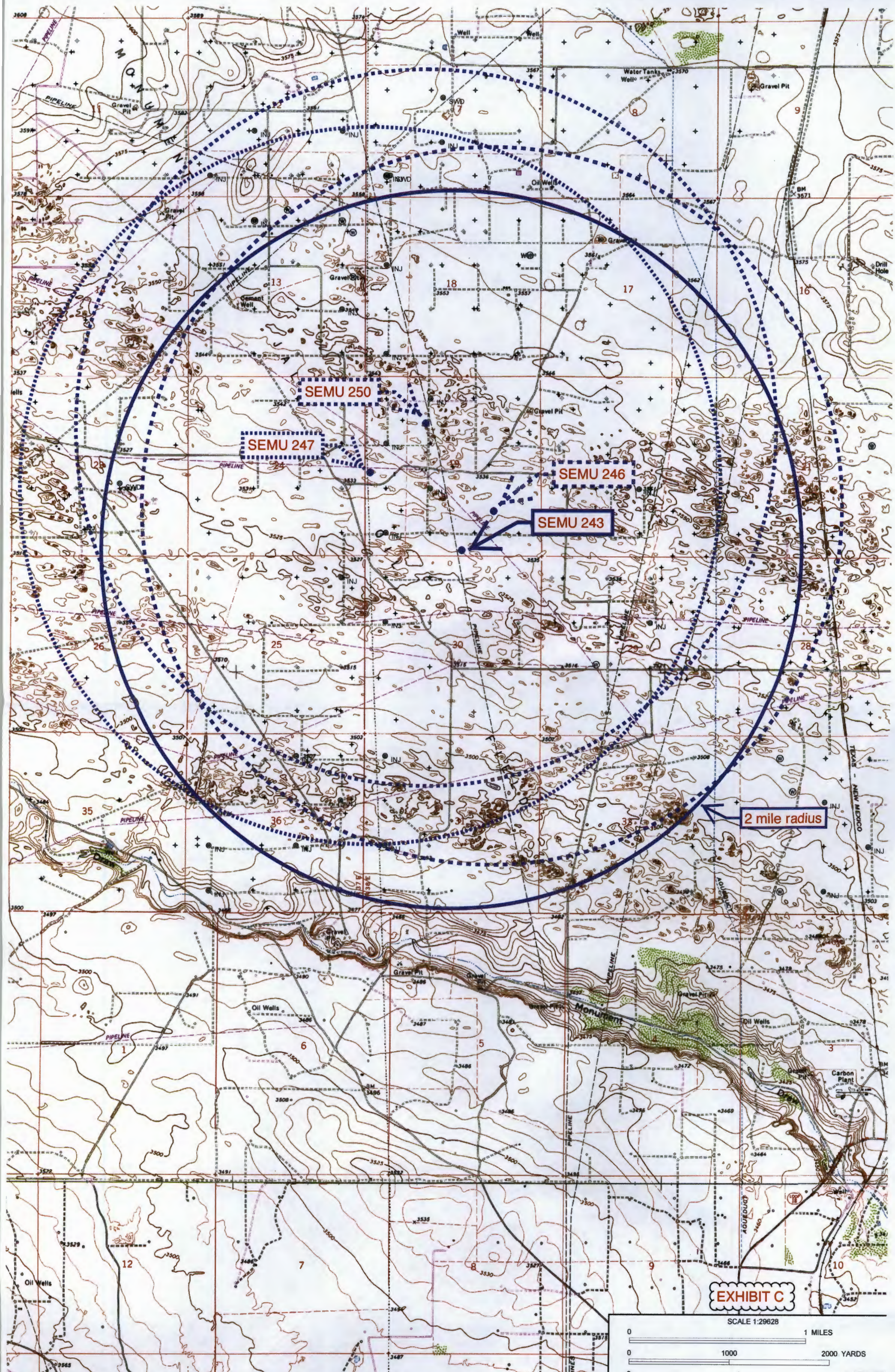
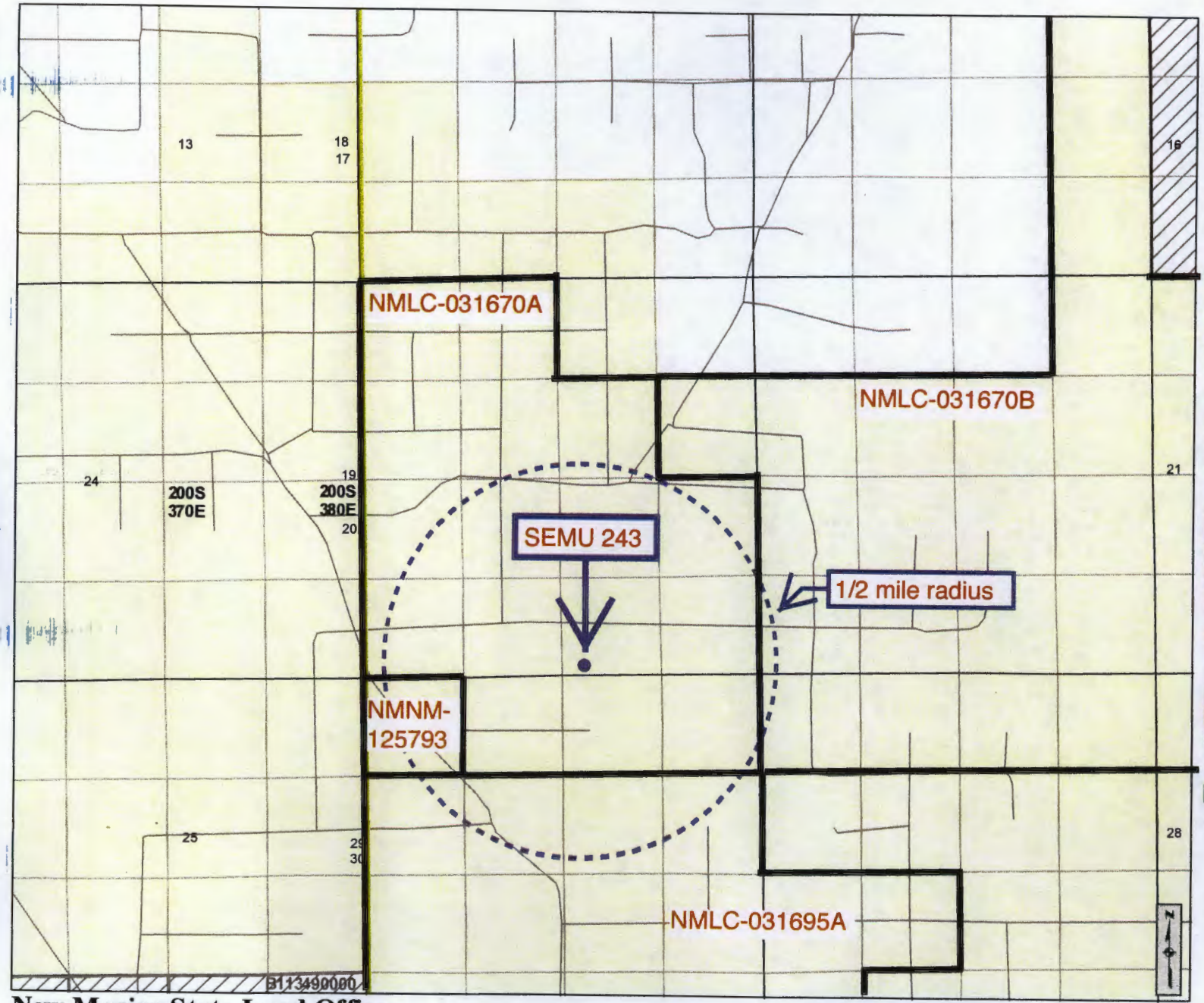


EXHIBIT B


SEMU 250
SEMU 247
SEMU 246
SEMU 243
2 mile radius
EXHIBIT C
SCALE 1:29628
0
1 MILES
0
1000
2000 YARDS
0
1
2 KILOMETI



Cartographic Features
- County Boundaries
- County Seats
- City, Town or Village
- SLO District Offices
- SLO District Boundary
- Hwy Mileposts
- Interstate
- US Hwy
- NM Hwy
- Local Road
- Continental Divide

Federal Minerals Ownership
- All Minerals
- Coal Only
- Oil and Gas Only
- Oil, Gas and Coal Only
- Other Minerals

State Trust Lands
- Surface Estate
- Subsurface Estate
- Surface and Subsuface Estate

State Leases
- Oil and Gas Leases
- Agricultural Leases
- Commercial Leases
- Minerals Leases
- Not Available for Oil and Gas Leasing
- Oil and Gas Leasing Influenced by Restriction

Oil and Gas Related Features
- Oil and Gas Unit Boundary
- Participating Areas in Units
- Geologic Regions
- Volcanic Vents
- NMOCD Order R-111-P Potash Enclave Outline

NMOCD Oil and Gas Wells
- CO^2
- Gas
- Injection
- Miscellaneous
- Oil
- Salt Water Disposal
- Water
- DA or PA

New Mexico State Land Office
Oil, Gas and Minerals

0 0.05 0.1 0.2 0.3 0.4 Miles

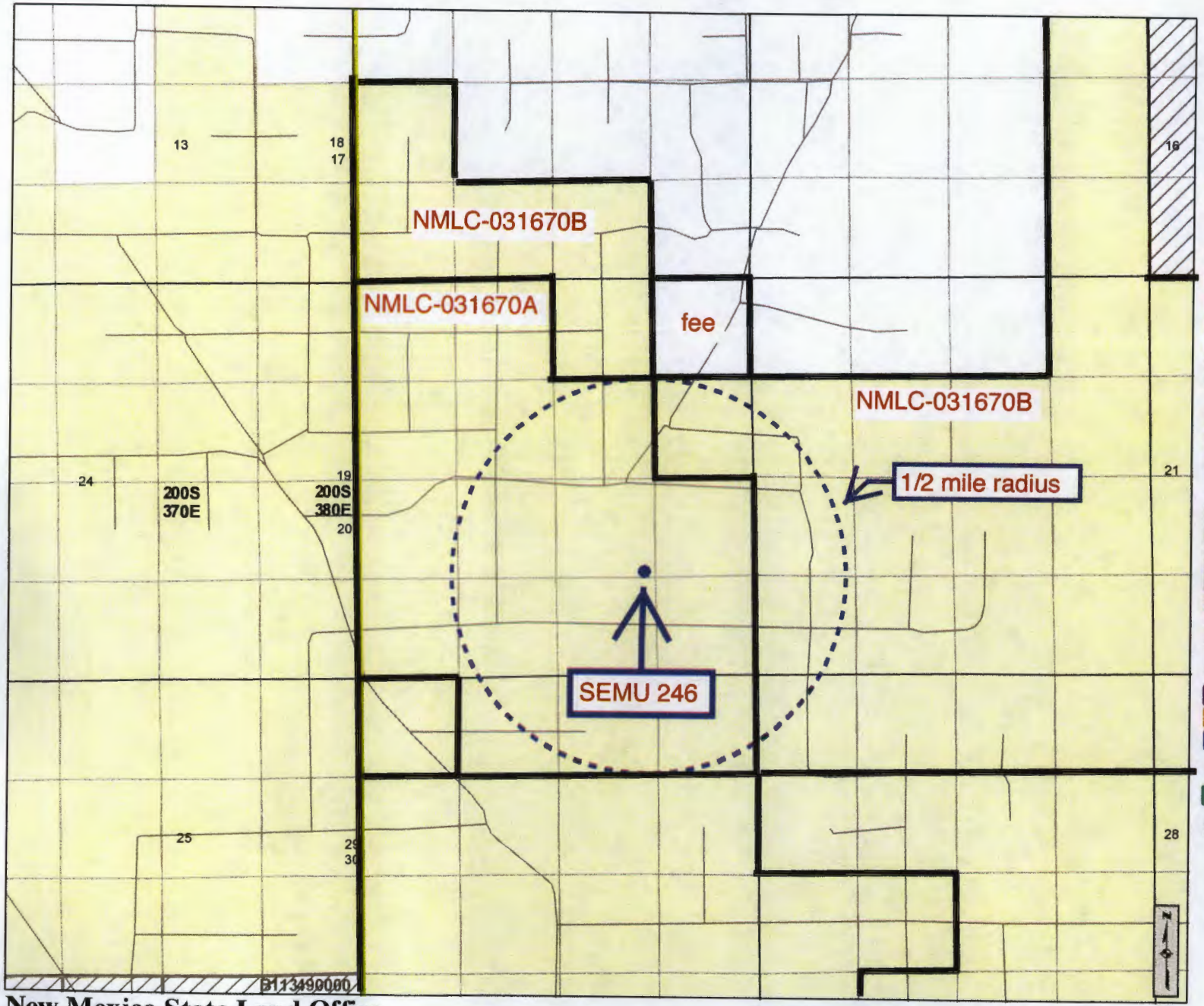
Universal Transverse Mercator Projection, Zone 13
1983 North American Datum

EXHIBIT D

Land Office Geographic Information Center
logic@slo.state.nm.us

Created On: 5/16/2014 10:13:43 AM

www.nmstatelands.org



Cartographic Features
- County Boundaries
- County Seats
- City, Town or Village
- SLO District Offices
- SLO District Boundary
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- Interstate
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New Mexico State Land Office
Oil, Gas and Minerals

0 0.05 0.1 0.2 0.3 0.4 Miles

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1983 North American Datum

EXHIBIT D

Land Office Geographic Information Center
logic@slo.state.nm.us

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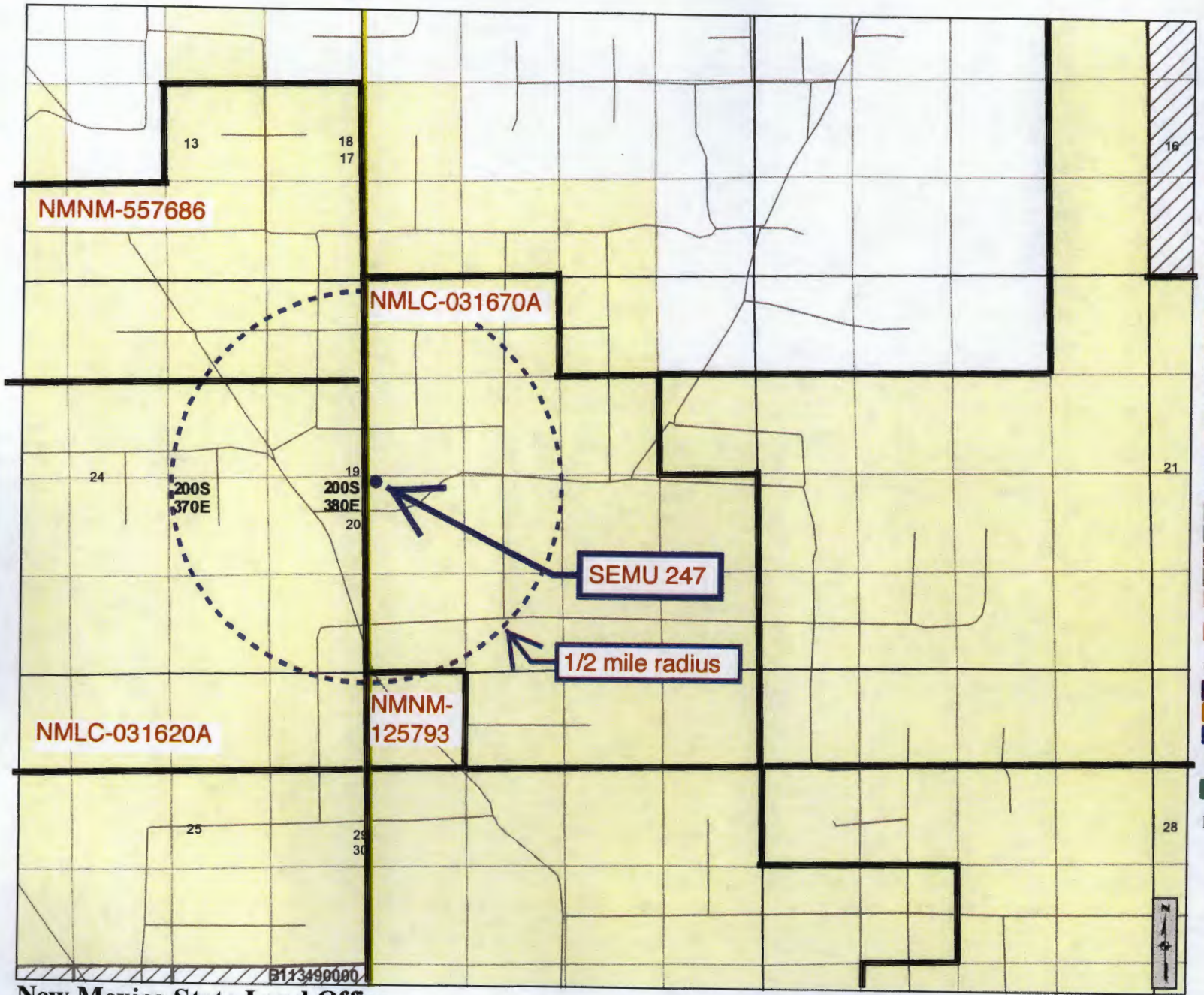
www.nmstatelands.org



Cartographic Features
- County Boundaries
- County Seats
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- SLO District Boundary
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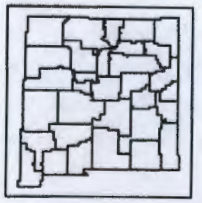


www.nmstatelands.org

New Mexico State Land Office
Oil, Gas and Minerals

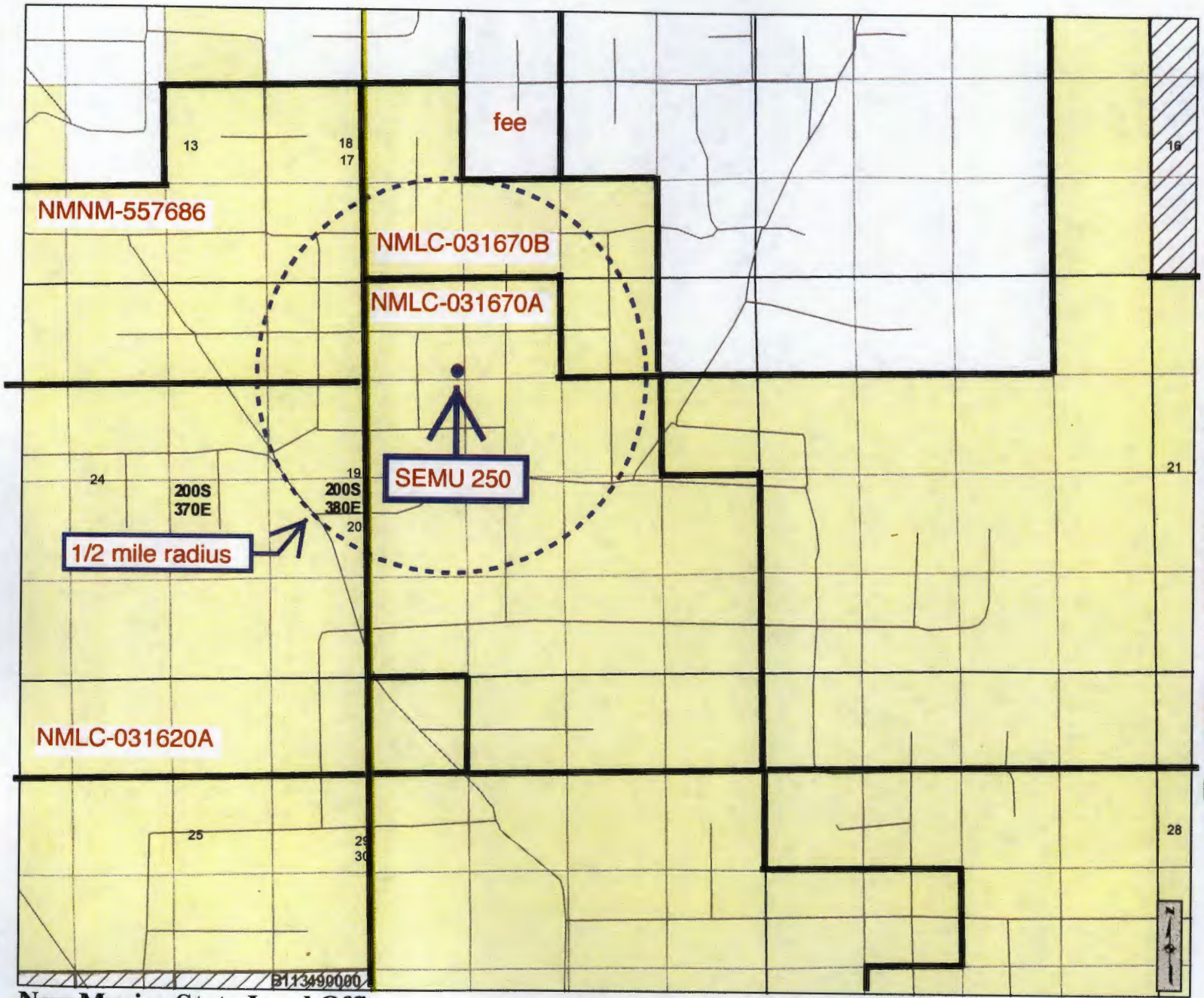
0 0.05 0.1 0.2 0.3 0.4 Miles

Universal Transverse Mercator Projection, Zone 13
1983 North American Datum

EXHIBIT D

Land Office Geographic Information Center
logic@slo.state.nm.us

Created On: 5/16/2014 10:13:43 AM



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New Mexico State Land Office
Oil, Gas and Minerals

0 0.05 0.1 0.2 0.3 0.4 Miles

Universal Transverse Mercator Projection, Zone 13
1983 North American Datum

EXHIBIT D

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logic@slo.state.nm.us

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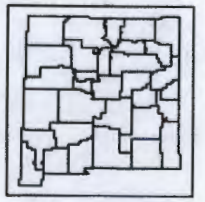
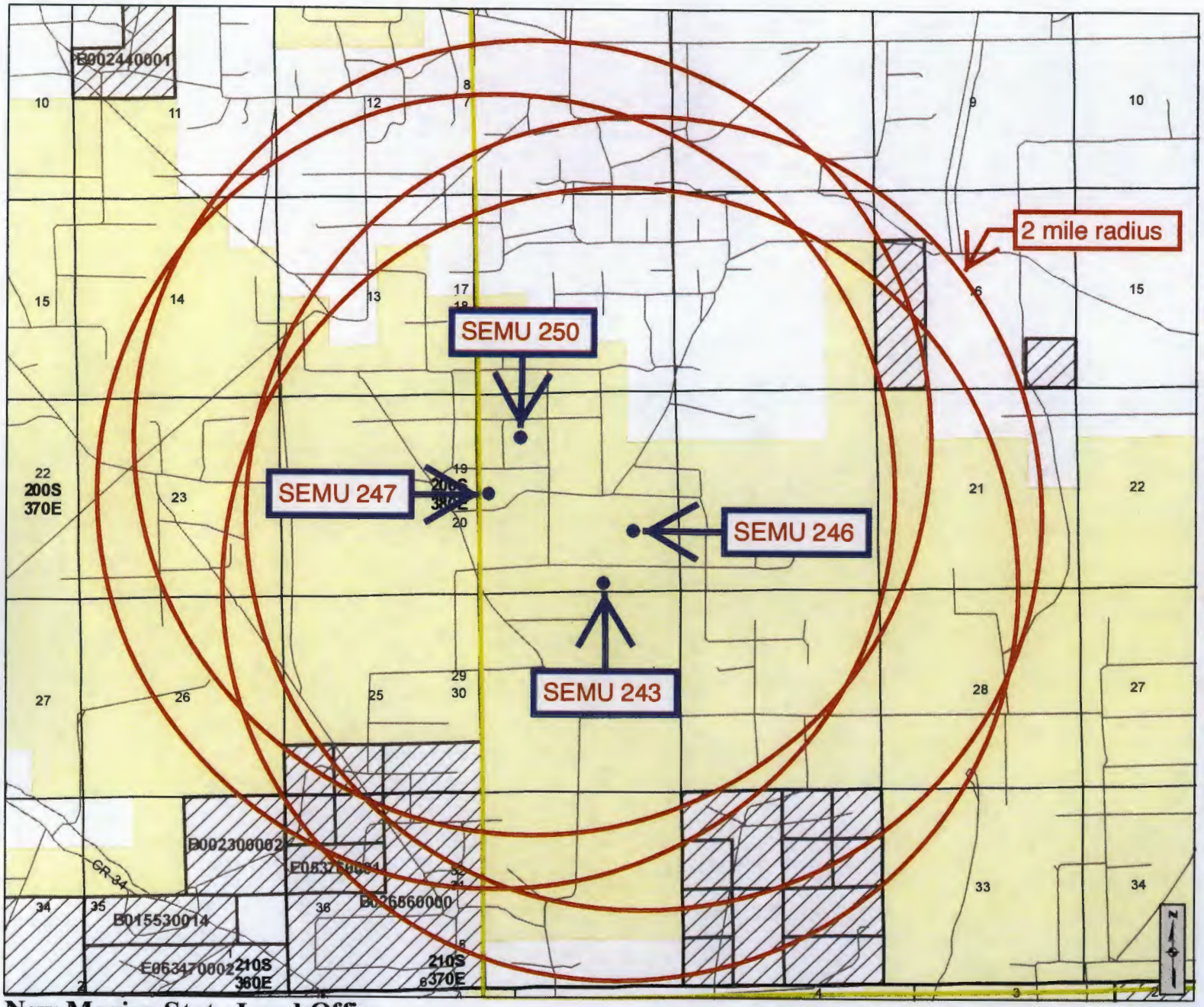


www.nmstatelands.org



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NMOCD Oil and Gas Wells
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- Gas
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- DA or PA

New Mexico State Land Office
Oil, Gas and Minerals

0 0.15 0.3 0.6 0.9 1.2 Miles

Universal Transverse Mercator Projection, Zone 13
1983 North American Datum

EXHIBIT E

Land Office Geographic Information Center
logic@slo.state.nm.us

Created On: 5/16/2014 10:12:48 AM

www.nmstatelands.org

Sorted by distance from SEMU 243

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW TOC DETERMINED
SEMU BTD 021	3/29/50	9731	Warren; Tubb	Oil	15.5	13.375	263	250 sx	GL	circulated
30-025-07816					12.25	9.625	3697	3400 sx	GL	circulated
O-19-20s-38e					8.25	7	8000	1300 sx	GL	circulated
SEMU Permian 017	10/25/49	3875	Skaggs; Grayburg	Oil	no report	13.375	253	250 sx	GL	no report
30-025-07811					no report	7	3598	1584 sx	GL	no report
N-19-20s-38e										
SEMU Permian 023	9/6/50	3910	Eumont; Yates-Seven Rivers-Queen	WIW	13.75	9.625	244	250 sx	GL	circulated
30-025-07861					8.75	7	3699	1920 sx	600	temperature survey
C-30-20s-38e										
SEMU BTD 157	5/13/01	7875	Blinebry Tubb Drinkard	Oil	12.25	8.625	1517	226 bbls	GL	circulated 82 sx to pit
30-025-35538					7.875	5.5	7875	1770 sx	GL	circulated 22 bbls to pit
A-30-20s-38e										
SEMU Burger 081	12/17/63	3940	Eumont; Yates-Seven Rivers-Queen	Gas	11	7.625	328	200 sx	GL	circulated
30-025-20500					6.75	4.5	3940	225 sx	2400	temperature survey
30-025-20500										
SEMU Permian 034	9/17/51	3911	Skaggs; Grayburg	Oil	13.25	10.75	270	250 sx	GL	circulated
30-025-07820					7.875	5.5	3696	1360 sx	685	no report
J-19-20s-38e										
SEMU Permian 018	2/5/50	3872	Skaggs; Grayburg	WIW	15	10.75	347	250 sx	GL	no report
30-025-07812					9.875	7	3698	1957 sx	2400	no report
K-19-20s-38e										
SEMU Burger 153	3/29/01	7850	Eumont; Yates-Seven Rivers-Queen	Gas	14.75	11.75	1504	700 sx	GL	circulated 29 bbls to pit
30-025-35434					7.875	5.5	7850	1500 sx	GL	circulated
M-19-20s-38e										

EXHIBIT F

Sorted by distance from SEMU 243

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW TOC DETERMINED
SEMU BTD 126	11/4/97	7000	Blinebry Tubb Drinkard	Oil	12.25	8.625	1250	565 sx	GL	circ. 42 bbls to surface
30-025-34127					7.875	5.5	7000	1550 sx	2654	CBL
M-19-20s-38e										
SEMU Permian 016	9/1/51	3900	Skaggs; Grayburg	P & A	no report	10.75	291	250 sx	GL	circulated
30-025-07863					no report	7.625	1393	450 sx	2428	CBL
F-30-20s-38e										
SEMU Permian 020	4/30/51	3908	Skaggs; Grayburg	WIW	15	10.75	261	250 sx	GL	no report
30-025-07813					9.875	7	3734	2100 sx	250	no report
M-19-20s-38e										
SEMU Permian 022	8/16/50	3900	Skaggs; Grayburg	Oil	17.5	13.375	295	250 sx	GL	circulated
30-025-07860					7.75	7	3699	1287 sx	625	temperature survey
D-30-20s-38e										
SEMU Permian 107	12/19/80	7050	Skaggs; Grayburg	Oil	24	20	408	708 sx	GL	circ. 200 sx to surface
30-025-26334					17.5	13.375	2800	3692 sx	GL	circ. 1330 sx to surface
J-19-20s-38e					12.5	9.625	4210	1460 sx	GL	circ. 100 sx to surface
SEMU Permian 040	12/22/51	3926	Skaggs; Grayburg	P & A	12.25	8.625	254	200 sx	GL	circulated
30-025-07821					8.75	5.5	3729	1400 sx	500	temperature survey
I-19-20s-38e										
SEMU 152	5/11/01	4220	Skaggs; Grayburg	Oil	12.25	8.625	1493	665 sx	GL	circulated 35 bbls to pit
30-025-35443					7.875	5.5	4220	675 sx	GL	CBL
G-19-20s-38e										

Sorted by distance from SEMU 246

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW TOC DETERMINED
SEMU BTD 021	3/29/50	9731	Warren; Tubb	Oil	15.5	13.375	263	250 sx	GL	circulated
30-025-07816					12.25	9.625	3697	3400 sx	GL	circulated
O-19-20s-38e					8.25	7	8000	1300 sx	GL	circulated
SEMU Permian 034	9/17/51	3911	Skaggs; Grayburg	Oil	13.25	10.75	270	250 sx	GL	circulated
30-025-07820					7.875	5.5	3696	1360 sx	685	no report
J-19-20s-38e										
SEMU Permian 040	12/22/51	3926	Skaggs; Grayburg	P & A	12.25	8.625	254	200 sx	GL	circulated
30-025-07821					8.75	5.5	3729	1400 sx	500	temperature survey
I-19-20s-38e										
SEMU Burger 081	12/17/63	3940	Eumont; Yates-Seven Rivers-Queen	Gas	11	7.625	328	200 sx	GL	circulated
30-025-20500					6.75	4.5	3940	225 sx	2400	temperature survey
30-025-20500										
SEMU 152	5/11/01	4220	Skaggs; Grayburg	Oil	12.25	8.625	1493	665 sx	GL	circulated 35 bbls to pit
30-025-35443					7.875	5.5	4220	675 sx	GL	CBL
G-19-20s-38e										
SEMU McKee 057	3/9/57	9224	Warren McKee Simpson	WIW	12.25	10.75	260	250 sx	GL	circulated
30-025-07825					9.875	7.625	4000	1630 sx	1550	temperature survey
I-19-20s-38e					6.75	5.5	9223	530 sx	5385	temperature survey
SEMU Permian 107	12/19/80	7050	Skaggs; Grayburg	Oil	24	20	408	708 sx	GL	circ. 200 sx to surface
30-025-26334					17.5	13.375	2800	3692 sx	GL	circ. 1330 sx to surface
J-19-20s-38e					12.5	9.625	4210	1460 sx	GL	circ. 100 sx to surface
SEMU Burger B 108	6/23/79	7800	Skaggs; Grayburg	Oil	12.25	9.625	1400	570 sx	GL	circulated 85 sx
30-025-26269					8.75	7	6750	2650 sx	GL	circulated 515 sx
L-20-20s-38e										

Sorted by distance from SEMU 246

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW TOC DETERMINED
SEMU Permian 017	10/25/49	3875	Skaggs; Grayburg	Oil	no report	13.375	253	250 sx	GL	no report
30-025-07811					no report	7	3598	1584 sx	GL	no report
N-19-20s-38e										
SEMU Permian 018	2/5/50	3872	Skaggs; Grayburg	WIW	15	10.75	347	250 sx	GL	no report
30-025-07812					9.875	7	3698	1957 sx	2400	no report
K-19-20s-38e										
SEMU BTD 157	5/13/01	7875	Blinebry Tubb Drinkard	Oil	12.25	8.625	1517	226 bbls	GL	circulated 82 sx to pit
30-025-35538					7.875	5.5	7875	1770 sx	GL	circulated 22 bbls to pit
A-30-20s-38e										
SEMU Permian 032	7/29/51	3901	Skaggs; Grayburg	P & A	13.375	10.75	265	225 sx	GL	circulated
30-025-07818					8.75	7	3686	710 sx	600	temperature survey
G-19-20s-38e										
SEMU Permian 039	11/5/51	3931	Skaggs; Grayburg	Oil	13.75	10.75	261	225 sx	GL	no report
30-025-07823					7.875	5.5	3729	1150 sx	GL	no report
H-19-20s-38e										
SEMU McKee 050	7/13/56	9233	Blinebry Tubb	Oil	15	10.75	272	250 sx	GL	no report
30-025-07832					9.875	7.625	4055	2100 sx	no report	no report
L-20-20s-38e					no report	5.5	9232	770 sx	no report	no report
SEMU BTD 059	5/5/57	9210	Blinebry Tubb Drinkard	Oil	no report	10.75	229	250 sx	GL	no report
30-025-07834					no report	7.625	3999	2000 sx	1400	no report
M-20-20s-38e					no report	5.5	9022	100 sx	5950	no report
SEMU McKee 063	12/23/57	9250	Eumont; Yates-Seven Rivers-Queen	P & A	15	10.75	266	285 sx	GL	circulated
30-025-07826					9.875	7.625	2995	3200 sx	1300	no report
G-19-20s-38e					6.75	5.5	9250	600 sx	5100	temperature survey
SEMU McKee 051	9/4/82	9220	Warren McKee Simpson	Oil	no report	10.75	258	250 sx	GL	circulated
30-025-07824					no report	7.625	3998	2500 sx	1555	CBL
H-19-20s-38e					no report	5.5	9218	440 sx	5600	no report

EXHIBIT F

Sorted by distance from SEMU 246

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW TOC DETERMINED
SEMU Permian 023	9/6/50	3910	Eumont; Yates-Seven Rivers-Queen	WIW	13.75	9.625	244	250 sx	GL	circulated
30-025-07861					8.75	7	3699	1920 sx	600	temperature survey
C-30-20s-38e										

Sorted by distance from SEMU 247

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW TOC DETERMINED
SEMU Permian 029	5/26/51	3911	Skaggs; Grayburg	Oil	12.25	9.625	250	250 sx	GL	circulated
30-025-06250					9.625	7	3699	1565 sx	GL	circulated to surface
H-24-20s-37e										
SEMU Permian 028	4/23/51	3920	Skaggs; Grayburg	WIW	13.75	9.625	272	200 sx	GL	no report
30-025-07815					8.75	7	2694	1590 sx	168	no report
E-19-20s-38e										
SEMU Permian 014	2/13/37	3900	Skaggs; Grayburg	P & A	17.5	10.75	283	225 sx	GL	circulated
30-025-06256					8.75	7.625	1421	425 sx	GL	circulated
I-24-20s-37e										
SEMU BTD 128	3/24/98	7005	Warren; Tubb	Oil	12.25	8.625	1251	605 sx	GL	circulated 53 sx to surface
30-025-34313					7.875	5.5	7005	1290 sx	GL	circulated 67 sx to surface
I-24-20s-37e										
SEMU Permian 015	no report	3848	Skaggs; Grayburg	Oil	15	10.75	259	250 sx	GL	no report
30-025-07810					9.875	7.625	2664	425 sx	1400	no report
L-19-20s-38e					no report	5.5	3848	425 sx	no report	no report
SEMU Permian 036	11/6/51	3910	Skaggs; Grayburg	WIW	no report	10.75	277	255 sx	GL	no report
30-025-06253					no report	5.5	3699	1415 sx	125	no report
A-24-20s-37e										
SEMU Permian 035	10/4/51	3920	Skaggs; Grayburg	P & A	13.75	10.75	261	225 sx	GL	circulated
30-025-06251					8.75	7	3681	1320 sx	GL	circulated
G-24-20s-37e										
SEMU Permian 033	9/21/51	3922	Skaggs; Grayburg	Oil	13.25	10.75	260	225 sx	GL	circulated
30-025-07819					8.75	7	3694	1255 sx	GL	circulated
D-19-20s-38e										

Sorted by distance from SEMU 247

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW TOC DETERMINED
SEMU Permian 037	10/15/51	3910	Skaggs; Grayburg	Oil	12.25	10.75	266	255 sx	GL	no report
30-025-06252					8.75	7	3689	1365 sx	GL	no report
J-24-20s-37e										
SEMU BTD 125	9/8/97	7000	Warren; Tubb	Oil	12.25	8.625	1250	565 sx	GL	no report
30-025-34126					7.875	5.5	7000	1625 sx	250	no report
M-18-20s-38e										
SEMU Permian 027	3/15/51	3906	Skaggs; Grayburg	Oil	no report	9.625	236	225 sx	GL	circulated to surface
30-025-07814					no report	7	3699	1392 sx	600	temperature survey
F-19-20s-38e										
SEMU Permian 038	10/23/51	3920	Skaggs; Grayburg	Oil	no report	10.75	275	250 sx	GL	no report
30-025-06254					7.875	5.5	3739	1554 sx	GL	no report
B-24-20s-37e										
SEMU BTD 126	11/4/97	7000	Blinebry Tubb Drinkard	Oil	12.25	8.625	1250	565 sx	GL	circ. 42 bbls to surface
30-025-34127					7.875	5.5	7000	1550 sx	2654	CBL
M-19-20s-38e										
SEMU Permian 024	10/20/50	3941	Skaggs; Grayburg	Oil	no report	9.625	269	200 sx	GL	circulated to surface
30-025-06249					8.75	7	3699	1725 sx	400	temperature survey
P-24-20s-37e										
SEMU Permian 018	2/5/50	3872	Skaggs; Grayburg	WIW	15	10.75	347	250 sx	GL	no report
30-025-07812					9.875	7	3698	1957 sx	2400	no report
K-19-20s-38e										
SEMU Burger 153	3/29/01	7850	Eumont; Yates-Seven Rivers-Queen	Gas	14.75	11.75	1504	700 sx	GL	circulated 29 bbls to pit
30-025-35434					7.875	5.5	7850	1500 sx	GL	circulated
M-19-20s-38e										

EXHIBIT F

Sorted by distance from SEMU 247

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW TOC DETERMINED
SEMU Permian 020	4/30/51	3908	Skaggs; Grayburg	WIW	15	10.75	261	250 sx	GL	no report
30-025-07813					9.875	7	3734	2100 sx	250	no report
M-19-20s-38e										

Sorted by distance from SEMU 250

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW TOC DETERMINED
SEMU Permian 027	3/15/51	3906	Skaggs; Grayburg	Oil	unknown	9.625	236	225 sx	GL	circulated to surface
30-025-07814					unknown	7	3699	1392 sx	600	temperature survey
F-19-20s-38e										
SEMU Permian 031	7/11/51	3697	Skaggs; Grayburg	WIW	13.375	10.75	265	250 sx	GL	circulated to surface
30-025-07817					8.75	7	3696	1310 sx	GL	circulated
C-19-20s-38e										
SEMU Permian 028	4/23/51	3920	Skaggs; Grayburg	WIW	13.75	9.625	272	200 sx	GL	no report
30-025-07815					8.75	7	2694	1590 sx	168	no report
E-19-20s-38e										
SEMU Permian 033	9/21/51	3922	Skaggs; Grayburg	Oil	13.25	10.75	260	225 sx	GL	circulated
30-025-07819					8.75	7	3694	1255 sx	GL	circulated
D-19-20s-38e										
SEMU Permian 107	12/19/80	7050	Skaggs; Grayburg	Oil	24	20	408	708 sx	GL	circ. 200 sx to surface
30-025-26334					17.5	13.375	2800	3692 sx	GL	circ. 1330 sx to surface
J-19-20s-38e					12.5	9.625	4210	1460 sx	GL	circ. 100 sx to surface
SEMU Permian 032	7/29/51	3901	Skaggs; Grayburg	P & A	13.375	10.75	265	225 sx	GL	circulated
30-025-07818					8.75	7	3686	710 sx	600	temperature survey
G-19-20s-38e										
SEMU Permian 073	10/24/51	3922	Skaggs; Grayburg	Oil	unknown	10.75	279	225 sx	unknown	no report
30-025-07822					unknown	7	3928	1570 sx	unknown	no report
B-19-20s-38e										
SEMU McKee 063	12/23/57	9250	Eumont; Yates-Seven Rivers-Queen	P & A	15	10.75	266	285 sx	GL	circulated
30-025-07826					9.875	7.625	2995	3200 sx	1300	no report
G-19-20s-38e					6.75	5.5	9250	600 sx	5100	temperature survey

Sorted by distance from SEMU 250

WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW TOC DETERMINED
SEMU Permian 018	2/5/50	3872	Skaggs; Grayburg	WIW	15	10.75	347	250 sx	GL	no report
30-025-07812					9.875	7	3698	1957 sx	2400	no report
K-19-20s-38e										
SEMU Permian 074	11/7/51	3954	Skaggs; Grayburg	Oil	unknown	10.75	262	225 sx	GL	no report
30-025-07801					unknown	5.5	3729	1465 sx	100	no report
N-18-20s-38e										
SEMU BTD 125	9/8/97	7000	Warren; Tubb	Oil	12.25	8.625	1250	565 sx	GL	no report
30-025-34126					7.875	5.5	7000	1625 sx	250	CBL
M-18-20s-38e										
SEMU Burger B 121	5/29/85	7923	Eumont; Yates-Seven Rivers-Queen	P & A	17.5	13.375	1382	1270 sx	GL	circulated 404 sx
30-025-29089					12.25	9.625	4110	916 sx	GL	circulated 22 sx
N-18-20s-38e					8.75	7	7923	1617 sx	4075	circulated 45 bbls to pit
SEMU Burger 072	4/18/56	9250	Warren; Tubb	P & A	15	10.75	250	250 sx	GL	circulated
30-025-12760					9.875	7.625	3009	887 sx	1525	temperature survey
B-19-20s-38e					6.75	5.5	9249	370 sx	5185	temperature survey
SEMU Permian 015	unknown	3848	Skaggs; Grayburg	Oil	15	10.75	259	250 sx	GL	no report
30-025-07810					9.875	7.625	2664	425 sx	1400	no report
L-19-20s-38e					unknown	5.5	3848	425 sx	unknown	no report
SEMU Permian 076	11/11/51	3929	Skaggs; Grayburg	WIW	13.375	10.75	262	225 sx	GL	no report
30-025-07799					7.875	5.5	3735	1570 sx	GL	no report
M-18-20s-38e										
SEMU 152	3/19/05	4220	Skaggs; Grayburg	Oil	12.25	8.625	1493	665 sx	GL	circulated 35 bbls to pit
30-025-35443					7.875	5.5	4220	675 sx	GL	CBL
G-19-20s-38e										
SEMU Permian 034	9/17/51	3911	Skaggs; Grayburg	Oil	13.25	10.75	270	250 sx	GL	circulated
30-025-07820					7.875	5.5	3696	1360 sx	685	no report
J-19-20s-38e										

Sorted by distance from SEMU 250

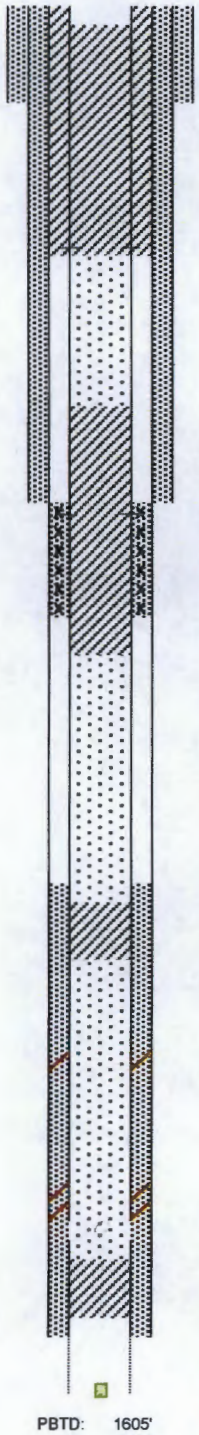
WELL	SPUD	TD	POOL	WELL TYPE	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW TOC DETERMINED
SEMU Permian 029	5/26/51	3911	Skaggs; Grayburg	Oil	12.25	9.625	250	250 sx	GL	circulated
30-025-06250					9.625	7	3699	1565 sx	GL	circulated to surface
H-24-20s-37e										
Fred Turner Jr A 001	10/25/51	4150	Skaggs; Grayburg	Oil	13.75	9.625	275	250 sx	GL	circulated
30-025-07808					8.75	7	3706	1550 sx	GL	circulated
A-19-20s-38e										
SEMU Permian 075	11/15/51	3933	Skaggs; Grayburg	Oil	13.75	10.75	258	250 sx	GL	no report
30-025-07800					7.875	5.5	3727	1470 sx	550	no report
O-18-20s-38e										
SEMU Permian 036	11/6/51	3910	Skaggs; Grayburg	WIW	unknown	10.75	277	255 sx	GL	no report
30-025-06253					unknown	5.5	3699	1415 sx	125	no report
A-24-20s-37e										
SEMU Burger B 071	6/6/52	9266	Warren; McKee	P & A	17.5	13	244	250 sx	GL	circulated
30-025-07797					12	9.625	2823	1780 sx	GL	circulated
O-18-20s-38e					8.75	7	9265	625 sx	5450	temperature survey

#14

WELLBORE SKETCH
ConocoPhillips Company – Permian Basin Business Unit

Date: January 11, 2006

RKB @ 3556'
DF @ 3555'
GL @ 3545'



Subarea : Hobbs
Lease & Well No. : SEMU Permian No. 14
Legal Description : 1980' FSL & 660' FEL, Section 24, T-20-S, R-37-E

County : Lea State : New Mexico
Field : Skaggs Grayburg
Date Spudded : Feb. 13, 1937 Rel Rig: 3/26/37
API Number : 30-025-06256
Status: P & A
Drilled as J. M. Skaggs #1

17-1/2" Hole

10-34/" 32.7# @ 283'
Cmt'd w/225 sx, circ
TOC @ Surface

Set PKR @ 60' circ. 125 sx
cmt 333' to surface.
PUH to 333' perf csg.

8-3/4" Hole
7-5/8" 26.4# @ 1421'
Cmt'd w/425 sx
TOC @ 11'
Top Salt @ 1470'
Perf @ 1471' 6/6/06
RBP @ 1605'
Perf @ 1650' w/4 JSPF
Sqz w/500 sx (9/23/88)
Pumped 25 sx cmt tagged cmt @ 1261'

POOH w/Tbg to 1746' pumped 25 sx 1746-1499

Base Salt @ 2560'

Pumped 25 sx cmt. 2667-2420'

Split in csg @ 3048'

Bad Casing 3550' - 3675'
RBP @ 3690'
TOC 3619'
7-7/8" Hole
5-1/2" 17# @ 3796'
Cmt'd w/425 sx
TOC @ 2492' (CBL)

4-1/2" Hole
OH 3796' - 3900'

PBTD: 1605'
TD: 3900'

JUNK IN HOLE @ 3890'

6/6/06 RIH worked RBP free POOH
Loaded hole w/MUD
Pumped 25 sx cmt. @ 3748'
Tagged cmt.@3619'

Pumped 25sx cmt. 2667'-2420'
POOH to 1746' pumped 25sx cmt. 1746'-1499'

6/7/06 Perf csg @ 1471'
Notified Pat w/BLM and Buddy Hill NMOCD for balance plug approval.
RIH to 1521' pumped 25sx cmt. @ 1521'
Tagged @ 1261'
PUH to 333' perf csg.
Circ. 125sx cmt 333' to surface.

9/23/88 Perf 4 JSPF @ 1650', pmp 200 sx Class C

9/26/88 Re-squeeze w/200 sx
9/27/88 Re-squeeze w/300 sx
5/6/98 Set RBP's @ 3690' and 1605'

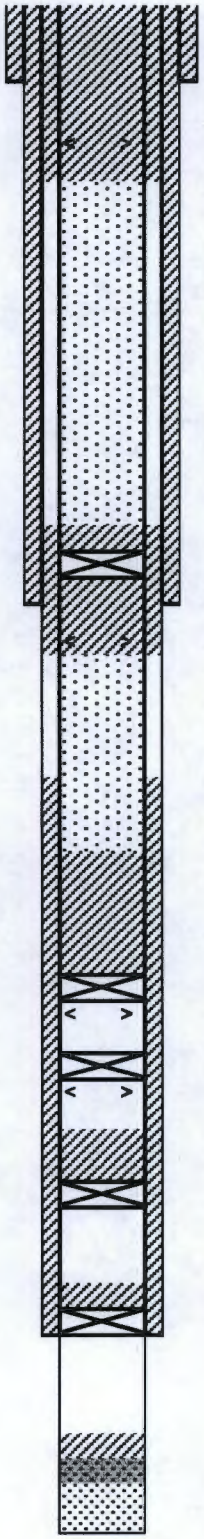
Formation Tops:

Rustler	1314'
Salado	1402'
Salt Top	1470'
Tansill	2518'
Base Salt	2560'
Yates	2660'
Seven Rivers	2916'
Queen	3478'
Penrose	3596'
Grayburg	3749'

EXHIBIT G

#16

ConocoPhillips
SEMU #16 Sec.30, T20S, R38E - 1960' FNL, 1980' FWL
API No. 30-025-07863



10-3/4", @ 291'.w 250sxs. Cmt circ to surface

Perf @ 341' 5 1/2"
Pumped 125sxs cmt. 0-341' drilled out to 417'
Set PKr @ 30' pumped into csg. 50sxs. Cmt. Tag @ 116'
mix 15 sxs cmt. Circ to surf.

Mud

CR @ 1343' cmt 1248'-1343'
7-5/8", @ 1393. Cmt w/ 450 sx. (Circ)

perf 5 1/2" @ 1443' Sq 30 sx cmt

TOC @ 2428' (CBL)

Mud

Cmt. Plug @ 2480'-2730' 25 sx
CIBP @ 2730-2733
Perf @ 2758'-2916'

CIBP @ 2930-2933
Perf @ 2941'-3198'
Acvid Sq. 2941-3090'
Cmt. Plug 3116-3250'

CIBP @ 3250-3253

2/1/00 Cmt. Plug @ 3560-3595' 35' cmt
CIBP @ 5 1/2" @ 3595'-3598'
5 1/2" 17# Set @ 3616' cmt w/425sx TOC @ 2428' (CBL)

Perf @ 3626'-3860'
OH - 3626'-3990'
Cmt plug @ 3770-3789'
Sand @ 3790'-3864'
Fill @ 3864'-3900'
TD: 3990'

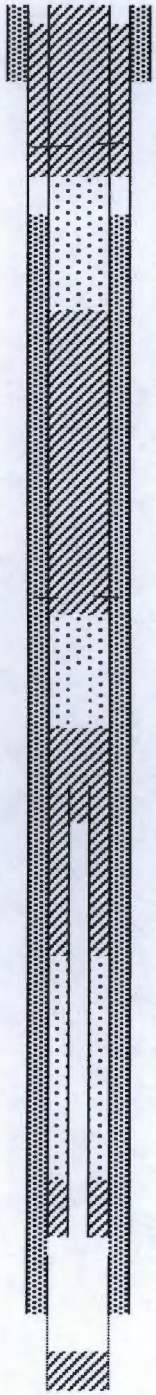
EXHIBIT G

#32

WELLBORE SKETCH
ConocoPhillips Company -- Permian Basin Business Unit

Date: September 04, 2001

RKB @ 3552'
DF @
GL @ 3540'



Subarea : Hobbs
Lease & Well No. : SEMU Permian No. 32
Legal Description : 1980' FNL & 1980' FEL, Section 19, T-20-S, R-37-E

County : Lea State : New Mexico
Field : Skaggs Grayburg
Date Spudded : Rel Rig: 9/30/1951
API Number : 30-025-07818
Status: P & A

13-3/4" Hole
9/4/01 POOH to 60' pumped 15sx cmt.
60' to surface
10-3/4" 32.75# @ 265'
Cmt'd w/225 sx
TOC @ 225'

Perf @ 350' Established Circ.
Sqz 175sx cmt. Did not Circ.
Displaced cmt. To 150' tagged @ 140'

TOC @ 600'

8/28/01 RIH w/ CIBP to liner top could not work thru.
8/29/01 Wellhead slip in liner, ran magnet, slip wedged in hole
8/30/01 Gray Wink Ok'd balanced plug.
RIH to 2211' pumped 50 sx cmt. Tag @ 1941'
CIRC hole w/MUD.
8/31/01 Perf @ 1450' Set Pkr pressured up no rate.
RIH spot cmt. @1500' 30sx. Tag @ 1360'
Perf csg @350' set Pkr @ 240'. Sqz 175sx did not circ.
Tagged @ 140' - POOH to 60' pumped 15sx cmt 60' to surface.

Top Salt @ 1500'

Tagged @ 1360'

8/31/01 Perf @ 1450' pressure up to 1100# no rate
RIH to 1500' pumped 30sx cmt.

Circ. Hole w/MUD
Tagged cmt. @ 1941'
8/30/01 RIH to 2211' pumped 50 sx cmt.

3/15/80 Ran 4 1/2" liner to repair csg.
Top Liner @ 2209'
Bottom 3687'
pump 160 sx cmt.
Drilled out to 3731'

Base Salt @ 2530'

CR @ 3524'
8-3/4" Hole
7" 23# J-55 @ 3686'
Cmt'd w/710 sx;
TOC @ 225' TS

6-1/4" Hole
Grayburg 3755'-3901'
OH 3686'-3910'

Formation Tops:

Anhydrite	1340'
Salt Top	1450'
Base Salt	2530'
Yates	2677'
Seven Rivers	2928'
Queen	3500'
Penrose	3620'
Grayburg	3744'

NTD: 3910'

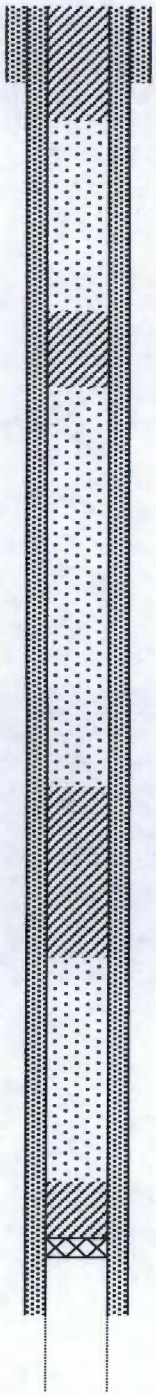
EXHIBIT G

#35

WELLBORE SKETCH
ConocoPhillips Company -- Permian Basin Business Unit

Date: January 20, 2006

RKB @ 3548'
DF @ 3547'
GL @ 3537'



13-3/4" Hole to 266'

10-3/4" 32.75# @ 261'
Cmt'd w/225 sx
TOC @ Surface
RIH w/tbg to 317' pumped
55sx cmt. 317' to surface.
Topped off wellbore.

CSG LEAK @ 832'-847'

Top Salt @ 1450'

25sx cmt @ 1460' Tag @ 1333'

Base Salt @ 2530'

Pumped 25sx cmt. 2635-2485

Pump 25sx 3524-3374'

CR @ 3524'
8-3/4" Hole
7" 20# J-55 @ 3681'
Cmt'd w/1320 sx; circ
TOC @ Surface

6-1/4" Hole

OH 3697'-3920'

PBTD: 3540'
OTD: 3685'
NTD: 3920'

Subarea : Hobbs
Lease & Well No. : SEMU Permian No. 35
Legal Description : 1980' NSL & 1980' FEL, Section 24, T-20-S, R-37-E

County : Lea State : New Mexico
Field : Skaggs Grayburg
Date Spudded : Oct. 4, 1951 Rel Rig: Oct. 26, 1951
API Number : 30-025-06251
Status: P & A

Stimulation History:

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Down
3681-3920	10/26/51	Lse Crude	1,000	1,000	7800	3100	12.0	
	3/54	Shut-in due to junk in hole						
	4/1/55	Redesignated from SEMU Skaggs A-24 No. 4 to SEMU Permian No. 35						
	8/6/57	Fish junk, frac, return to to prod						
	11/1/65	Converted to water injection						
	8/76	SI due to NMOCD						
	11/77	Return to injection						
	6/3/80	Run casing leak survey						
	11/15/89	SI due to engineering evaluation						
	12/18/95	CO to 3910', spot Xylene, set pkr @ 3565'						
3681-3920	9/15/89	15% NEFE HCl	5,500	4,250	2800	1750	2.5	
	5/26/99	Casing integrity test; run 3534' 2-3/8" plastic lined tubing, pkr @ 3549'						
	9/25/01	Pkr sheared, RIH w/shear ring, set pkr, hook up inj line Run injection profile						
	6/30/05	Casing leak at 832'-847'						
	7/1/05	Set RBP @ 3540', circ pkr fluid						

PA
6/7/06 **POOH w/ RBP**
RIH w/CR to3524' sting out and circ MUD
Sting back in couldn't establish rate
Pumped 25 sx cmt. 3524-3374'
POOH to 2635' pumped 25sx cmt. 2635-2485'
Pumped 25 sx @ 1460'
Tag cmt @ 1333' RIH w/tbg to 317' pumped 55sx cmt.
317'-Surface POOH w/ tbg topped off casing

Formation Tops:

Anhydrite	1340'
Salt Top	1450'
Base Salt	2530'
Yates	2677'
Seven Rivers	2928'
Queen	3500'
Penrose	3620'
Grayburg	3744'

EXHIBIT G

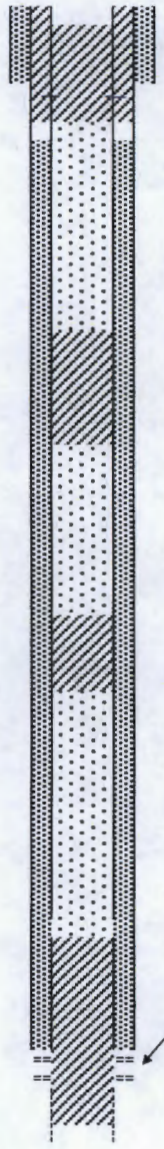
#40

WELLBORE SKETCH

ConocoPhillips Company -- Lower 48 - Mid-Continent BU / Permian Operations

Date: April 24, 2007

RKB @ 3548'
DF @ 3547'
GL @ 3537'



12-1/4" Hole

8-5/8" 18.8# @ 254'
Cmt'd w/200 sx, circ
TOC @ 200'
Perf 4 hole @ 304'
Set Pkr @ 30' circ 15 sx cmt.
TOC 5-/1" Csg @ 500' (T.S.)

Tag cmt. @ 1230'

Top Salt @ 1480'
spot 25 sx cmt @1492'

spot 25 sx cmt @ 2356'
Base Salt @ 2430'

Circ. 60 bbls mud w/15 sx salt gel

AD-1 Pkr @ 3605' Pulled PKR 7/19/07

spot 40 sx @ tag @ 3615'

3715'-3729' - 4 SPF @ 90 PHASING
8-3/4" Hole
5-1/2" 14# C & 15.5# J-55 @ 3729'
Cmt'd w/1570 sx
TOC @ 200' (T.S.)

OH 3729'-3926'
3815'-3915' - Shot w/250 Qts Nitro

PBTD @ 3926'
TD @ 3926'

Subarea : Hobbs
Lease & Well No. : SEMU Permian No. 40
Legal Description : 1980' FSL & 660' FEL, Sec. 19, T20S, R38E

County : Lea State : New Mexico
Field : Skaggs Grayburg
Spud Dec. 22, 1951 Rig Released: Jan. 11, 1952
API Number : 30-025-07821
Status: P & A
Drilled as SEMU - W.D. Burger A-19 No. 12 **Lse Serial No. LC 031670(a)**

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Down
	7/19/07	Spot 40 sx cmt @ 3778' tag @ 3615' Circ. Mud 60bbls brine w/15 sx salt gel. spot 25sx cmt @ 2356' spot 25sx cmt @ 1492'-1245' tag @ 1230' Perf 4 holes @ 304' Set Pkr @ 30' returns coming up outside csg. Circ. (15sx) Pa'd well						

Formation Tops:

Anhydrite	1360'
Top Salt	1480'
Base Salt	2430'
Yates	2696'
7 Rivers	2916'
Queen	
Penrose	
Grayburg	

EXHIBIT G

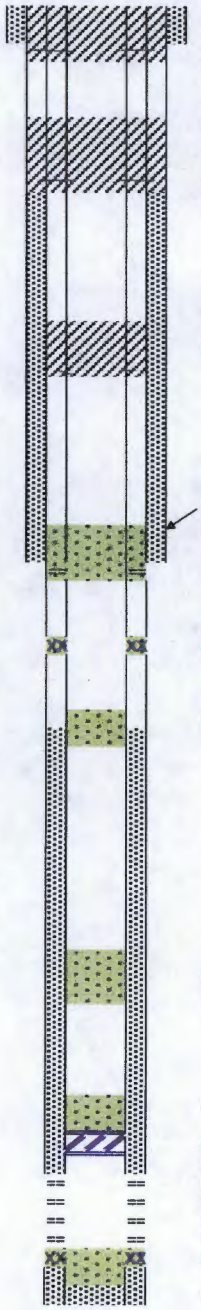
#57

WELLBORE SKETCH

ConocoPhillips Company -- Lower 48 - Mid-Continent BU / Permian Operations

Date: Dec. 16, 2008

RKB @ 3554'
DF @ 3553'
GL @ 3540'



12-1/4" Hole
10-3/4" 32.75# H-40 @ 260'
Cmt'd w/250 sx, circ
TOC @ Surface
Perf @ 310'
Pump 130 sx from 310' to surface
out 7 5/8' leave 5 1/2" full cmt.
Tag @ 1430'
Perf @ 1540' Sqz 45 sx
Top Salt @ 1492'
TOC 7-5/8" Csg @ 1550' (T.S.)

Tag @ 2430'
Perf @ 2597' Sqz 30sx cmt.
Base Salt @ 2547'

Plug w/25 sx cmt from 4100' -3861'. (Tagged)
9-7/8" Hole
7-5/8" 24# H-40 & 26.4# N-80 @ 4000'
Cemented w/ 4000 sx
TOC @ 1550' (T.S.)

San Andres
4680-4685 -- Sqz'd W/ 200 sx

Plug w/25 sx cmt from 5400'-5153'.
TOC 5-1/2" Csg @ 5385' (T.S.)

Plug w/ 25 sx cmt from 7100'-6947'. (Tagged)

Plug w/15 sx from 8925-8678'.

Loc-Set Plug @ 8925'
McKee
9089-9096 9112-9127
9135-9144 9152-9158
9152 9158 9160 9167 9171
9175 9178 9182 9186
9166-9174 9184-9190 -- Sqz'd w/ 15 sx; TOC @ 9160'

6-3/4" Hole
5-1/2" 17# N-80 & J-55 & 15.5# J-55 @ 9223'
Cmt'd w/ 530 sx
TOC @ 5385' (T.S.)

PBTD @ 3861'
TD @ 9224'

Subarea : Hobbs
Lease & Well No. : SEMU McKee No. 57
Legal Description : 2310' FSL & 330' FEL, Sec. 19, T20S, R38E, Unit Letter I

County : Lea State : New Mexico
Field : Warren McKee
Spud 3/9/57 Rig Released: 5/3/57
API Number : 30-025-07825
Status: P & A

Federal Lease LC-031670 (A)

Stimulation History:

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Down
	5/9/57	**Perforate 9089-98, 9112-27, 9135-44, 9152-58, 9186-74 and 9184-90 w/ 4 JSPF**						
9089-9190	5/20/57	Acid	200					
	5/30/57	***Squeeze 9184-90 & 9166-74 w/15 sx cmt***						
9089-9158	7/11/57	Lease Crude	6,000	6000				
	10/13/59	***Set CIBP @ 9148'***						
9089-9144	10/14/59	Frac Sand	40,000	60,000				
	7/1/69	Shut-in						
	5/23/72	**Perforate 4680-4685 w/1 jspf**						
	6/12/72	***Set 5-1/2" CIBP @ 5400'***						
	5/24/77	Swab 285 BW / 10 hrs, water not suitable for McKee WF						
	6/20/78	***Squeeze 4680-4685 w/200 sx Class C***						
	6/21/78	**Drill out CIBP @ 5400' & CIBP @ 9148'**						
	6/27/78	CO to 9220'						
	6/28/78	**Perforate 9152, 58, 60, 87, 71, 75, 78, 82 and 9186 w/2 jspf**						
	7/27/78	Convert to water injection @ 2000 BWPD @ 1050 psi						
	9/1/93	**Change lease name from SEMU-Warren McKee to SEMU McKee**						
	6/6/96	***Set Loc-Set Packer with Plug @ 8925'; circ pkr fluid***						
	1/9/02	***Set CIBP @ 8925' w/15 sx from 8925-8678'.***						
		Set 25 sx cmt from 7100'-6947'.						
		Set 25 sx cmt from 5400'-5153'.						
		Set 25 sx cmt from 4100' 3861'.						
		Performed successful MIT at 580 psi. TA'd 1/15/02						
PA	6/24/09	***TAG PBTD @ 3861'***						
		Circ hole w/MUD						
		Perf @ 2597' Set PKr @ 2289'						
		Estiblish injection Rate and Sqz 30 sx @ 2597'						
	6/26/09	Tag plug @ 2430' - Perf @ 1540' Sqz 45sx						
		Tag @ 1430'						
		Perf @ 310' Pump 160 sx cmt. From 310' to surface						
		out7 5/8" leave 5 1/2' full of cmt.						

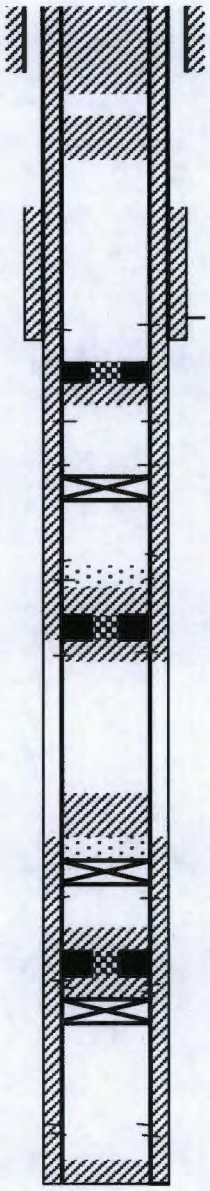
Casing Detail
3713' 17# N-80
1390' 17# J-55
4147' 15.5# J-55

Formation Tops:

Rustler	1400'	Tubb	6360'
Salado / Top Salt	1492'	Drinkard	6662'
Tansill / Base Salt	2547'	Abo	6956'
Yates	2693'	Devonian	7846'
7 Rivers	2946'	Fusselman	8178'
Queen	3520'	Montoya	8508'
Grayburg	3838'	Simpson Lime	8720'
San Andres	4038'	Simpson Sd	8795'
Glorieta	5336'	McKee	9008'
Blinebry	5858'	McKee Pay	9075'

EXHIBIT G

#63



ConocoPhillips
SEMU #63 Sec.19, T20S, R38E - 1650' FNL, 1650' FEL
API No. 30-025-07826
GL 3531'
Surface Csg. 10 3/4" 32.75# H-40 @ 259' W 285 sx. TOC @ Surface (CIRC)

Intermediate Casing 7 5/8" 24# & 26# N-80 & H-40 @ 3995' W/3200Sx. TOC @ 1300'

4/7/97 Spot 35sx @ 1500'-1175' Sq 150sx from surface to 400'
3/22/97 Tag @ 150' cut 5 1/2" @145' couldn't pull, drill out to 2620'
Perf@ 200' pump in @450# Sq 125sx reperf @ 200' Sq 200sx @ 600#
perf @ 400' could not pump

3/26/97 Drill out to 3500' Set Retainer @ 2516' Sq w/269sx

3/11/97 Perf 5 1/2" @ 1260' could not pump
3/24/97 Perf @ 266' could not pump into.
3/11/97 Tag @ 2620' -Spot 25sx cmt. @ 1500'
10/13/94 Set CIBP @ 2641' 3sx cmt 37' on top.
Perf @ 2662'-3044' upper Eumont

Perf @ 3109'-3507' Lower Eumont
CIBP @ 3540'
Drill out to 3550'

Retainer @ 3485' pump 475sx cmt. To surface
Perf @ 3600' &3550' 4 JSPF

7/20/93 perf @ 3800' 4JSPF set Retainer @ 3704' pump 50sx cmt below retainer

7/20/93 spot 25sx cmt above CIBP @ 6502'
7/20/93 Load hole with MUD
10/4/90 CIBP @ 6572'
Drinkard perfs @ 6665-6940'

Cement Retainer @ 7020' cmt ABO perf 84sx -w/18' cmt. On top.
6/20/84 Perf's - ABO 7093-7679'

McKee perfs @ 9020'- 9172'
Production Casing 5 1/2" 15.5#&17# J-55 N-80 @ 9250' W/500sx. TOC @ 5100' (Temp Surv.)
PBD @
TD: 9250'

EXHIBIT G

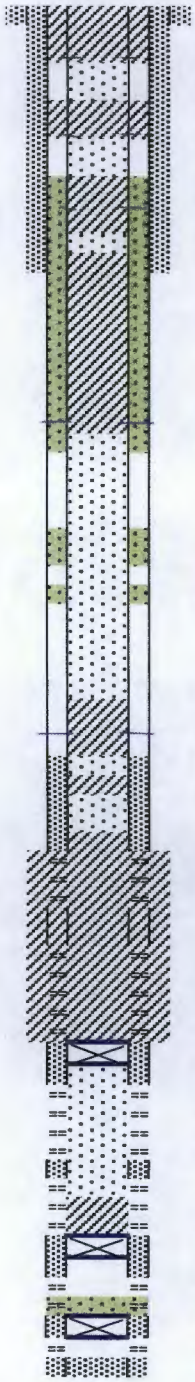
#71

WELLBORE SKETCH

ConocoPhillips Company - Lower 48 - Mid-Continent BU / Permian Operations

Date: July 16, 2009

KB @ 3563'
DF @ 3562'
GL @ 3552'



17 1/2" Hole
13" 50# C @ 244'
Cmt'd w/ 250 sx, circ
TOC @ Surface
perf 314' Pump down7" out 9 5/8
Sq 40sx Tag 1425'
Top Salt @ 1500'

Base Salt @ 2520'

12" Hole
9-5/8" 40 & 36# J-55 @ 2827'
Cmt'd w/ 1780 sx, circ
TOC @ Surface

30 sx 2620'-2430' tagged
Perf 2570' test Held

30sx 2925-2757' Tagged
Perf 2877' couldn't pump into
3030 - 3033 - Sqz'd w/ 390 sx

3659 - 3662 - Sqz'd w/ 600 sx
3836 - 3839 - Sqz'd w/ 116 sx

4000 - 4003 - Sqz'd w/ 95 sx

30sx tag @ 5235'

Perf 5370' couldn't break down

TOC 7" Csg @ 5450' (T.S.)
25sx 5887'

Tag 6711'
Lower Drinkard
6862 6868 6874 6881 6885 6892
6896 6903 6907 6916 6920 6927
6931 6935 6943 6947

Upper Abo
7083 7110 7118 7127 7130 7138
7146 7149 7155 7160 7170 7173
7177 7180 7196 7200 7204 7208
7213 7219 7223 7230 7235 7240
7245 7252
RBP @ 7280'
Middle Abo
7276 7281 7287 7299 7309 7324
7336 7641 7351 7359 7364 7374
7380 7387 7394 7402 7413 7424
7435 7440 7448 7455 7462
Lower Abo
7488 7514 7525 7534 7540 7543
7552 7558 7566 7574 7583 7589
7595 7620 7630 7646 7650 7657
CIBP @ 7035'
McKee
9070 - 9128
9138 - 9171 - Sqz'd w/85 sx
Baker Bridge Plug @ 9200'
9204 - 9242
8 3/4" Hole
7" 26 & 23# N-80 & J-55 @ 9265'
Cmt'd w/ 625 sx
TOC @ 5450' (T.S.)

PBTD: 6598'
TD: 9266'

Subarea : HOBBS EAST
Lease & Well No. : **SEMU** **No. 71**
Legal Description : 660' FSL & 1830' FEL, Sec. 18, T20S, R38E
Unit Letter "O"
County : LEA State : NEW MEXICO
Field : SKAGGS
Date Spudded : 6/6/52 Rig Released: 8/15/52
API Number : **30-025-07797**
Drilled as Burger B-18 # 1-S

Stimulation History:

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Down
	8/14/52	**Perf McKee w/ 4 JSPF @ 9070-9242**						
9070-9242	8/14/52	Mud Acid	500					
	3/29/55	***Set Baker Bridge Plug @ 9200' to shut-off water***						
9070-9128	4/23/57	Acid	5,000		4000	3500	1.5	
	5/11/57	***Set retainer @ 9136; Sqz perfs 9138-9171 w/ 35 sx cement***						
9070-9128	1/25/58	Lease Crude	6,000	6000# 20/40	4400	0	8.6	
	2/9/74	***Set RBP @ 5543; top sand @ 5515'; Perf 4000-4003 w/ 2 JSPF***						
	2/11/74	***Sqz perfs 4000-4003 w/ 95 sx Cl "C"***						
	2/12/74	***Perf 3030-3033 w/ 2 JSPF; Sqz w/130 sx Cl "C" down annulus***						
	'2/13/74	***Re-Sqz 3030-3033 w/120 sx; did not sqz***						
		Re-Sqz 3030-3033 w/140 sx; tag cmt @ 2920'; reset RBP @ 5536'						
	2/19/74	***Perf 3836-3839 w/2 JSPF; Sqz w/ 116 sx Cl "C"***						
		Perf 3659-3662 w/ 2 JSPF; Sqz w/ 150 sx Cl "C"						
	2/20/74	***Re-sqz 3659-3662 w/150 sx Cl "C"; no sqz***						
		Re-sqz 3659-3662 w/ 200 sx; no sqz						
	2/21/74	***Set retainer @ 3437'; Sqz w/ 300 sx Cl "C"***						
		DO retainer & retrieve RBP						
	5/9/81	***Set BP @ 7520'***						
	4/1/84	Well renamed SEMU Abo 71						
	10/25/83	***Drill out @ 7520'; Set CIBP @ 7850'***						
	10/26/83	**Perf Lwr Abo w/ 2 JSPF @ 7488 - 7657', 36 shots**						
7488-7657		15% HCL NEFE	2,520	55 BS	5500	3800	3.9	
	10/28/83	**Perf Middle Abo w/ 2 JSPF @ 7276 - 7462, 46 shots**						
7276-7462	10/29/83	15% HCL NEFE	3,360	50 BS	4500	Vac	4.0	
	10/31/83	**Per Upr Abo w/ 2 JSPF @ 7083 - 7252', 52 shots**						
7083-7252	11/1/83	15% HCL NEFE	3.780	60 BS	2400		4.5	
	5/1/84	Changed to SEMU Abo 71						
7488-7657	5/23/84	15% HCL NEFE	2,310					
7276-7462	5/24/84	15% HCL NEFE	1,470					
7083-7252	5/24/84	15% HCL NEFE	3,780					
	12/22/84	**Perf Lower Drinkard w/ 1 JSPF @ 6862 - 6947, 16 holes**						
6862-6947	12/27/84	Gelled Fluid Pad	4,452		4100	Vac		
		15% HCL NEFE	6,132			Vac		
		Gelled Fluid	3,276			Vac		
	2/15/85	Name changed from SEMU Abo No. 71 to SEMU Burger B No. 71						
	3/31/93	***Set CIBP @ 7035'***						
	Dec. 1994	***Set CIBP @ 6598'***						
PA well								
	9/8/09	Tag @ 6590' drill on CIBP fall to 6866' drill to 6913'						
	9/15/09	**Continue drilling CIBP 7033' ream scale to 7253'**						
		TIH w/Pkr set @ 6601' pump 200bbls didn't circ.						
		TIH new Pkr set @ 6551' injection rate w 48bbls						
		Pump 200 sx into perfs @ 8862-7252 pump rate 1 bbl/m						
		Tag w/tbg @ 6928' drill out to 7271' Tag RBP						
	10/1/09	**Drill on RBP recover 7" RBP clean out scale to 7850'**						
		Circ MUD spot cmt. 25sx 7850'-7696'						
	10/12/09	**Set CIBP @ 7266' spot 90sx cmt 7266-6713'**						
		Tag @ 6711' pull up to 5887' spot 25 sx cmt. 5887-5737'						
		perf @ 5370' couldn't break perf. TIH open ended to 5420'						
		spot 30 sx 5420'-5236' Tag @ 5235' perf @ 2877' no injection rate						
		Open ended @ 2925' spot 30sx 2925-2757' Tag @ 2757'						
		Perf @ 2570' test hole held, spot 30sx cmt @ 2620-2436'						
		Tag @ 2430' perf @ 1550' SQz 40sx 1250'-1450'						
		Tag @ 1425' Perf 2 314' circ 9 5/8" pump 100 sx down 7" up 9 5/8' Both full						

Formation Tops:

Yates	2663'	Base Permian	7850'
Glorieta	5320'	Devonian	7890'
Blinebry	5837'	Fusselman	8150'
Tubb	6351'	Montoya	8490'
Drinkard	6650'	Simpson	8760'
Abo	6970'	McKee	8982'

EXHIBIT G

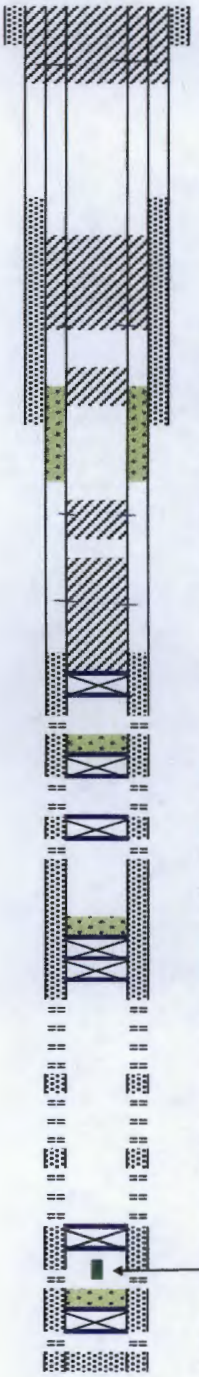
#72

WELLBORE SKETCH

ConocoPhillips Company -- Lower 48 - Mid-Continent BU / Permian Operations

Date: June 1, 2009

RKB @ 3562'
DF @ 3561'
GL @ 3550'



15" Hole
10-3/4" 32.75# H-40 @ 265'
Cmt'd w/ 250 sx, circ
TOC @ Surface
Per 315' 120sx 315' to surface.

Top Salt @ 1430'
TOC 7-5/8" Csg @ 1525' (T.S.)

Tag @ 1345'

Perf 1480' Sqz 50 sx

Base Salt @ 2525'
25 sx 2625'
Casing Bowl @ 3000'
9-7/8" Hole
7-5/8" 24# H-40 & 26.4# N-80 @3009'
Cemented w/ 887 sx
TOC @ 1525' (T.S.)
2843-3322 -- Sqz'd w/180 sx
Sqz 3310-3401' w/ 250 sx
Pump 25 sx
spot 30 sx

Perf @ 3538' spot 25 sx
25 sx

TOC 5-1/2" Csg @ 5185' (T.S.)
5-1/2" CIBP @ 5296'
Glorieta
5324-5540 (overall)

5-1/2" CIBP @ 6275'; TOC @ 6240'
6349 6352 6355 6369 6372 6375 6378 6385
6391 6396 6399 6407 6411 6414 6422 6425
5-1/2" CIBP @ 6433'
6442 6444 6449 6451 6459
Lower Tubb
6537 6542 6545 6559 6563 6579
6581 6584 6587 6609 6616 6619

5-1/2" CIBP @ 6961 w/2 sx cmt; TOC @ 6926'
5-1/2" CIBP @ 7035'
Upper Abo
7137 7147 7167 7185 7188 7191 7194 7212
7215 7219 7222 7233 7243 7247 7251 7256
7259 7263 7268 7274 7280 7289 7294
7303 7314
Middle Abo
7332 7346 7354 7358 7404 7409 7415 7418
7432 7436 7439 7452 7463 7469 7474 7494
7504 7508 7519 7526 7537
Lower Abo
7552 7561 7566 7569 7572 7583 7588 7592
7601 7604 7608 7623 7627 7634 7639 7643
7652
5-1/2" CIBP @ 8181'
McKee — **Top of Junk @ 8940'**
9093-9106 9118-9144

5-1/2" CIBP @ 9160' w/ 1 sx cmt; TOC @ 9155'
9164-9196
6-3/4" Hole
5-1/2" 17# N-80 & J-55 & 15.5# J-55 @ 9249'
Cmt'd w/ 370 sx
TOC @ 5185' (T.S.)

PBTD @ 5296'
TD @ 9250'

Subarea : Hobbs
Lease & Well No. : SEMU Burger-B No. 72
Legal Description : 330' FNL & 1650' FEL, Sec. 19, T20S, R38E, UL "B"

County : Lea State : New Mexico
Field : Warren
Spud 4/18/56 Rig Released: 7/10/56
API Number : 30-025-12760
Status: P & A

Lease Serial No. LC-031670B

Stimulation History:

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Down
	7/9/56	**Perforate McKee 9093-9196 -- Not Treated**						
	7/2/58	***Set 5-1/2" CIBP @ 9160' w/1 sx cmt to shut off water***						
9118-9144	7/3/58	Lse Crude	3,000	3,000	4400		8.0	
9093-9106	7/3/58	Lse Crude	2,000	2,000	4600		7.8	
	11/28/74	Tag Junk @ 3023'; mill to 3060'						
	12/11/74	Push junk to 8940'						
	12/27/74	**Perf w/ 2 JSPF 3400-3401; sqz w/250 sx 3310-3401'**						
	6/7/76	***Sqz 180 sx @ 2843' - 3332'***						
9093-9144	6/24/76	Retarded Acid	1,000			0	3.0	
	2/23/84	***Set 5-1/2" CIBP @ 8181'***						
	2/26/84	**Perf Abo w/ 2 JSPF 7552-7652**						
7552-7652	2/26/84	15% NEFE HCl	2,270	540 BS	5350	3600		
	2/29/84	**Perf Middle Abo w/ 2 JSPF 7332-7537**						
7332-7537	2/29/84	15% NEFE HCl	2,650	50 BS	5390	3750	4.0	
	3/2/84	**Perf Upper Abo w/ 2 JSPF 7137-7314**						
7137-7314	3/2/84	15% NEFE HCl	3,150	60 BS	5500	3300		
7494-7652	6/18/84	15% NEFE	1,512	48 BS	900	Vac	6.0	
7332-7537	6/20/84	15% NEFE	966	30 BS		1540		
7137-7314	6/21/84	15% NEFE	1,596	50 BS		Vac		
7494-7652	5/15/85	20% Cross Link Gel	9,996	24 BS			3.6	
		CO2	4,284		3500	1650		
7137-7474	5/20/85	20% Cross Link Gel	18,270	90 BS				
		CO2	7,980		5500	3600	10.6	
	6/19/87	***Set 5-1/2" CIBP @ 7035'***						
	6/21/87	**Perf Lwr Tubb w/ 1 JSPF 6537-6619, 12 shots**						
6537-6619	6/23/87	15% NEFE HCl	1,008	12 BS				
	6/23/87	***Set 5-1/2" CIBP @ 6961' w/ 2 sx cmt; TOC @ 6926'***						
6537-6619	6/24/87	15% HCL NEFE	1,008	12 BS				
6537-6619	6/25/87	X-Link Gel	28,014	45,150				
	6/27/87	**Perf Middle Tubb w/ 1 JSPF 6349-6459, 21 shots**						
6349-6459	6/30//87	15% HCl NEFE	1,764	32 BS				
6349-6459	7/1/87	X-Link Gel	26,796	70,455	5600	3230	15.5	
	11/9/90	***Set 5-1/2" CIBP @ 6433' w/35' cmt; test did not hold***						
	11/9/90	***Set 5-1/2" CIBP @ 6275', circ pkr fluid***						
	9/25/08	***Dump 35' cmt on top of CIBP @ 6275'; TOC @ 6240'***						
	9/26/08	**Perf Glorieta w/ 2 JSPF 5324-5540; 124 shots**						
	10/1/08	***Set 5-1/2" CIBP @ 5296'***						
PA								
	8/1209	Circ. Hole w MUD spot 25 sx cmt on existing CIBP @ 5296-5049' WL perf @ 3538' set Pkr 2 3000' pressured up held						
	8/13/09	Spot 25 sx cmt. @3588' Tagged @ 3325' ***POOH to 3059' spot 30 sx cmt. 3059'-2747' Tag @ 2747'*** **Perf @ 2575' set pkr @ unable to establish rate.** RIH open ended to 2625' pumped 25 sx 2625'-2378'						
	8/14/09	Tag cmt. @ 2364' PUH perf @ 1480'. Sqz 50sx cmt. Tag @ 1345' POOH Perf @ 315' Establish rate Pump 120sx cmt. From 315' to surface out 7 5/8" csg leaving 5 1/2" full of cmt.						

Formation Tops:

Rustler	1395'	Abo	6960'
Top Salt	1430'	B. Permian	
Base Salt	2525'	Devonian	7841'
Yates	2670'	Fusselman	8125'
7 Rivers	2915'	Montoya	8480'
Queen	3488'	Simpson	8728'
Glorieta	5305'	McKee	8996'
Blinebry	5848'	Top McKee Pay	9071'

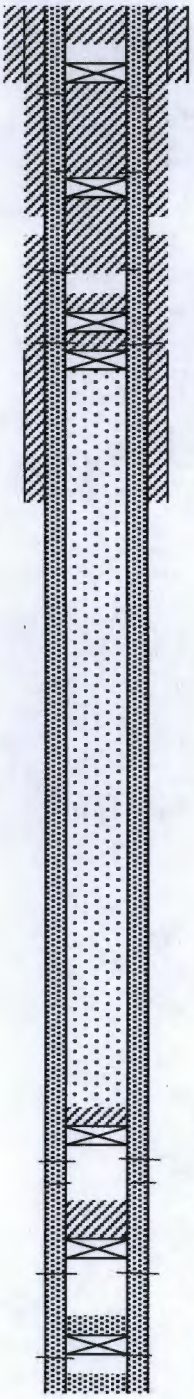
EXHIBIT G

#121

WELLBORE SKETCH
ConocoPhillips Company -- Permian Basin Business Unit

Date: Feb 27, 2002

RKB @
DF @
GL @ 3553'



17-1/2" Hole to 1382'
450sx cmt. Perfs & sqz
under CICR Set @ 1056'
13-3/8" 54.5# @ 1382'
Cmt'd w/1270 sx
TOC @ Surface
Sqz perfs @ 1600'
220sx cmt. Perf &sqz'd
under CICR @ 1646'

15 sx 50' to surface

CR@ 2950' w/100sx
sqz thru
CICR and 25sx on top
Perfs @ 2975- 3050'

CIBP @ 3008'
12 1/4" hole to 4110'
9 5/8" 40# @ 4110'
Cmt, w/ 916sx
TOC @ 3100'

35' cmt on top @ 6565'
CIBP @ 6600'
Drinkard Perf's 6638-6886
Perf's @ 6890-6922' Sqz
TOC 6917'
Cmt Retain @ 6950' w/ 25sx cmt.

CIBP @ 7020'
Abo Perfs @ 6988'-7620'

CIBP @ 7750' TOC 7724'
Wolfcamp perf @ 7771-7815'
Sqz'd
8-3/4" Hole 7923'
7" 26# K-55 @ 7923'
Cmt'd w/1617 sx; circ
TOC @ Surface

PBTD: 7870'
TD: 7923'

Subarea : Hobbs
Lease & Well No. : SEMU No. 121
Legal Description : 660' FSL & 2310' FWL, Section 18, T-20-S, R-37-E

County : Lea State : New Mexico
Field : Eumont Yates 7 Rivers Queen
Date Spudded : May. 29, 1985
API Number : 30-025-29089
Status: P & A

10/10/01	Set Cr @ 2950' pumped Sqz 100 sx cmt. w/15sx below CR.
10/11/01	Perf csg @ 2650' unable to establish rate, acidized rate 2 bbls/m
	RIH w CR @ 2575' pumped 50sx cmt. Tailed w/50sx
10/16/01	Circ hole w/MUD, spot 20sx cmt @ 2575-2456'
	Perf csg @ 1432' Pumped acid established rate
	Set CR @ 1335' pumped 50sx followed by 50sx.
	Followed by another 40sx and then 40sx more. On vaccum
	Stung out CR tubing and 7" blowing gas.
10/19/01	Pumped 1000 gal Flo-gel on vaccum,
	Blew well down, CR @ 1335' RIH w CIBP @ 1303'
	Perf 7" @ 1150' acidized no rate, worked acid got rate
	og 3.5 gal/m @ 3000#
	Perf csg @ 1300', 1250', 1200', 1150', 1100', no pressure loss.
	RIH CR @ 1050' Sqz 90sx sqz off @ 1900psi, w/60sx below CR
	TOC @ 870'
2/8/01	7x9 5/8 annulus "boiling"
2/11/01	drilled out to 969'
2/12/01	drilled to 1057'
2/14/01	drilled to CIBP@ 1307' continued to 2743'
2/22/01	Perf @ 2820' rate 1/2 bbl/m
2/25/01	Set CR @ 2606' Sqz 100sx cmt. Gas csg stll
5/28/01	Perf @ 1600', set Pkr established rate of 2bpm
	Set CICR@ 1646' Stage 1- 220sx pumped
	w/ =/- 130 thro perfs @ 2500' outside 9 5/8"
	Stung out Cr pumped 100sx @ 1646'
	PUH to 1056' - RIH w/CICR to 1056' set. Pumped 450sx cmt.
	Stung out CICR 7" on Vaccum 9 5/8" 3 psi Contacted
	Marline Deaton (BLM)
6/3/01	7" slight vacuum, 9 5/8 bubble every 4-5 minutes 13 3/8" bubble every 30 sec.
	Alexis Swaboda Ok to set surface plug
	Pumped 15 sx 50' to surface.

Formation Tops:

Anhydrite	1350'
Salt Top	1490'
Base Salt	2510'
Yates	2660'
Seven Rivers	2905'
Queen	3490'
Penrose	3620'
Grayburg	3810'
San Andres	4420'
Glorietta	5320'
Blinebry	5844'
Tubb	6354'
Drinkard	6625'
Abo	6946'
Permian bone	7830'

EXHIBIT G

OCD frac gradient	0.65	2,481	Hazen Williams Equation Data:
est frac gradient	0.85	3,227	SG 1.02
water	0.45	1,717	L 3,652
top perf	3704		coeff 150
lower perf	3929		diam 1.995
			reduction 0.7

bpm	tbg		BPD	tbg friction	adj psi	fit1	
0	146		0			0	146
0.27	611		389	3	2,325	389	611
0.47	1096		677	10	2,804	677	1096
0.7	1405		1008	20	3,102	1008	1405
0.94	1519		1354	35	3,201	1354	1519
1.27	1648		1829	61	3,304	1829	1648
1.56	1716		2246	89	3,344	2246	1716
1.77	1716		2549	113	3,320	2549	1716
2.15	1843		3096	162	3,398	3096	1843
2.66	2007		3830	240	3,484	3830	2007
2.95	2154		4248	291	3,581	4248	2154
3.47	2262		4997	393	3,586	4997	2262
3.76	2362		5414	456	3,623		
	1432		940	18	3,132		
ISIP	1450	*0.830*					
5 min	1381						
10 min	1342						
15 min	1315						

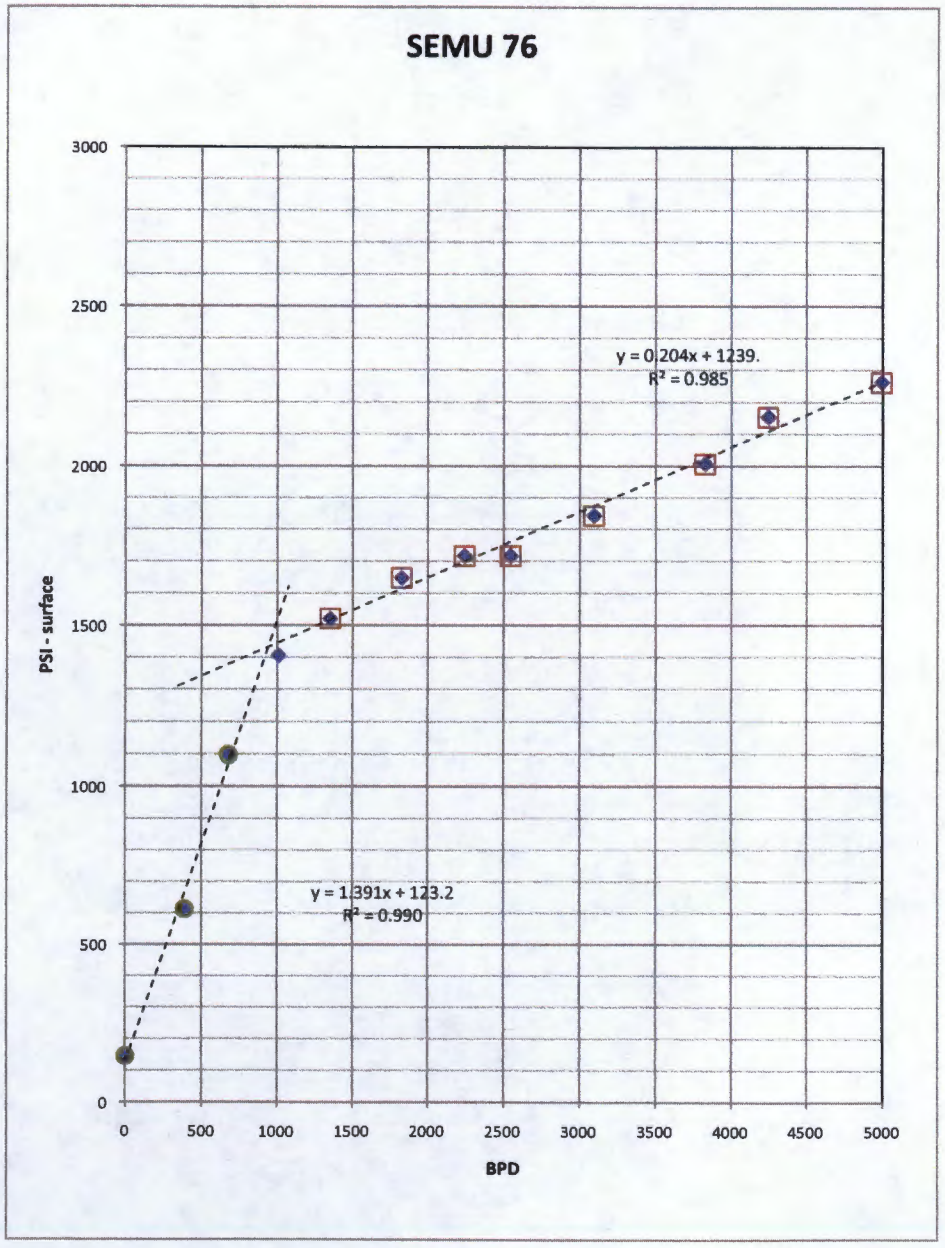


EXHIBIT H

New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

(acre ft per annum) (R=POD has been replaced and no longer serves this file, C=the file is closed) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q 6416 4	Sec	Tws	Rng	X	Y	Distance
L 08071	L	STK	0	S W CATTLE COMPANY	LE	L 08071				1	19	20S	38E	669725	3604190*	1258
L 04412	L	SRO	162.7	BURGUNDY OIL & GAS OF NM, INC.	LE	L 04412 S2				2 4	13	20S	37E	669098	3605189*	2431
					LE	L 04412 S			Shallow	4 4 2	13	20S	37E	669189	3605491*	2664
L 02109	L	DOM	3	AMERADA PETROLEUM CORPORATION	LE	L 02109			Shallow	2 4 2	18	20S	38E	670803	3605719*	2735
L 00303	L	IRR	0	JESSE W. RALEY	LE	L 00303				4 1 1	17	20S	38E	671198	3605928*	3040
L 04412	L	SRO	162.7	BURGUNDY OIL & GAS OF NM, INC.	LE	L 04412			Shallow	4 2 2	13	20S	37E	669181	3605894*	3042
L 05349	L	EXP	0	TEXACO INC.	LE	L 04412			Shallow	4 2 2	13	20S	37E	669181	3605894*	3042
L 08069	L	STK	0	S W CATTLE COMPANY	LE	L 08069				2	13	20S	37E	668890	3605786*	3058
L 02168	L	IRR	0	VALERIE SCHNEIDER	LE	L 02168				1 2 2	18	20S	38E	670596	3606121*	3099
L 02148	L	DOM	3	VALERIE SCHNEIDER	LE	L 02148				1 1	17	20S	38E	671099	3606029*	3108
L 05351	L	EXP	0	TEXACO INC.	LE	L 05351				2 2	13	20S	37E	669082	3605995*	3171

1 mile = 1610 meters

Record Count: 11

UTMNAD83 Radius Search (in meters): from SEMU 243

Easting (X): 670240 **Northing (Y):** 3603042 **Radius:** 3220

Sorted by: Distance

EXHIBIT I

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 04412 S	L	LE	4	4	2	13	20S	37E	669189	3605491*	2664	155	84	71
L 02109	L	LE	2	4	2	18	20S	38E	670803	3605719*	2735	124	50	74
L 04412	L	LE	4	2	2	13	20S	37E	669181	3605894*	3042	140	85	55
L 05351	L	LE		2	2	13	20S	37E	669082	3605995*	3171	115		

Average Depth to Water: **73 feet**

Minimum Depth: **50 feet**

Maximum Depth: **85 feet**

Record Count: 4

UTMNAD83 Radius Search (in meters): from SEMU 243

Easting (X): 670240 **Northing (Y):** 3603042 **Radius:** 3220

EXHIBIT I

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

(acre ft per annum)

(R=POD has been replaced and no longer serves this file, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code Grant	Source	q q q 6416 4	Sec	Twn	Rng	X	Y	Distance
L 08071	L	STK	0	S W CATTLE COMPANY	LE	L 08071			1	19	20S	38E	669725	3604190*	1103
L 04412	L	SRO	162.7	BURGUNDY OIL & GAS OF NM, INC.	LE	L 04412 S2			2 4	13	20S	37E	669098	3605189*	2269
L 02109	L	DOM	3	AMERADA PETROLEUM CORPORATION	LE	L 02109		Shallow	2 4 2	18	20S	38E	670803	3605719*	2332
L 04412	L	SRO	162.7	BURGUNDY OIL & GAS OF NM, INC.	LE	L 04412 S		Shallow	4 4 2	13	20S	37E	669189	3605491*	2463
L 00303	L	IRR	0	JESSE W. RALEY	LE	L 00303			4 1 1	17	20S	38E	671198	3605928*	2616
L 02148	L	DOM	3	VALERIE SCHNEIDER	LE	L 02148			1 1	17	20S	38E	671099	3606029*	2690
L 02168	L	IRR	0	VALERIE SCHNEIDER	LE	L 02168			1 2 2	18	20S	38E	670596	3606121*	2716
L 04412	L	SRO	162.7	BURGUNDY OIL & GAS OF NM, INC.	LE	L 04412		Shallow	4 2 2	13	20S	37E	669181	3605894*	2816
L 05349	L	EXP	0	TEXACO INC.	LE	L 04412		Shallow	4 2 2	13	20S	37E	669181	3605894*	2816
L 08069	L	STK	0	S W CATTLE COMPANY	LE	L 08069			2	13	20S	37E	668890	3605786*	2874
L 05351	L	EXP	0	TEXACO INC.	LE	L 05351			2 2	13	20S	37E	669082	3605995*	2952
L 01675	L	PRO	3	THE TEXAS COMPANY	LE	L 01675 POD1		Shallow	3 3	07	20S	38E	669476	3606405*	3169

1 mile = 1610 meters

Record Count: 12

UTMNAD83 Radius Search (in meters): from SEMU 246

Easting (X): 670502 **Northing (Y):** 3603406 **Radius:** 3220

Sorted by: Distance

EXHIBIT I

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 02109	L	LE	2	4	2	18	20S	38E	670803	3605719*	2332	124	50	74
L 04412 S	L	LE	4	4	2	13	20S	37E	669189	3605491*	2463	155	84	71
L 04412	L	LE	4	2	2	13	20S	37E	669181	3605894*	2816	140	85	55
L 05351	L	LE		2	2	13	20S	37E	669082	3605995*	2952	115		
L 01675 POD1	L	LE		3	3	07	20S	38E	669476	3606405*	3169	130	80	50

Average Depth to Water: **74 feet**

Minimum Depth: **50 feet**

Maximum Depth: **85 feet**

Record Count: 5

UTMNAD83 Radius Search (in meters): from SEMU 246

Easting (X): 670502 **Northing (Y):** 3603406 **Radius:** 3220

EXHIBIT I

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

(acre ft per annum)

(R=POD has been replaced and no longer serves this file, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q 6416 4	Sec	Tws	Rng	X	Y	Distance
L 08071	L	STK	0	S W CATTLE COMPANY	LE	L 08071				1	19	20S	38E	669725	3604190*	544
L 04412	L	SRO	162.7	BURGUNDY OIL & GAS OF NM, INC.	LE	L 04412 S2				2 4	13	20S	37E	669098	3605189*	1259
					LE	L 04412 S			Shallow	4 4 2	13	20S	37E	669189	3605491*	1553
L 08069	L	STK	0	S W CATTLE COMPANY	LE	L 08069				2	13	20S	37E	668890	3605786*	1881
L 04412	L	SRO	162.7	BURGUNDY OIL & GAS OF NM, INC.	LE	L 04412			Shallow	4 2 2	13	20S	37E	669181	3605894*	1956
L 05349	L	EXP	0	TEXACO INC.	LE	L 04412			Shallow	4 2 2	13	20S	37E	669181	3605894*	1956
L 05351	L	EXP	0	TEXACO INC.	LE	L 05351				2 2	13	20S	37E	669082	3605995*	2063
L 10117	L	STK	3	S W CATTLE COMPANY	LE	L 10117			Shallow	1 1 2	13	20S	37E	668580	3606086*	2247
L 05350	L	EXP	0	TEXACO INC.	LE	L 05350				2 1	13	20S	37E	668279	3605980*	2257
L 02109	L	DOM	3	AMERADA PETROLEUM CORPORATION	LE	L 02109			Shallow	2 4 2	18	20S	38E	670803	3605719*	2368
L 04412	L	SRO	162.7	BURGUNDY OIL & GAS OF NM, INC.	LE	L 04412 S3				4 4	12	20S	37E	669075	3606398*	2465
L 01675	L	PRO	3	THE TEXAS COMPANY	LE	L 01675 POD1			Shallow	3 3	07	20S	38E	669476	3606405*	2478
L 02168	L	IRR	0	VALERIE SCHNEIDER	LE	L 02168				1 2 2	18	20S	38E	670596	3606121*	2568
L 00303	L	IRR	0	JESSE W. RALEY	LE	L 00303				4 1 1	17	20S	38E	671198	3605928*	2790
L 02148	L	DOM	3	VALERIE SCHNEIDER	LE	L 02148				1 1	17	20S	38E	671099	3606029*	2796
L 05912	L	SRO	565	AMERADA PETROLEUM CORPORATION	LE	L 05912			Shallow	4 4 1	07	20S	38E	669969	3607116*	3260

1 mile = 1610 meters

EXHIBIT I

***UTM location was derived from PLSS - see Help**

Record Count: 16

UTMNAD83 Radius Search (in meters): from SEMU 247

Easting (X): 669242 **Northing (Y):** 3603938 **Radius:** 3375

Sorted by: Distance

EXHIBIT I

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Twp	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 04412 S	L	LE	4	4	2	13	20S	37E	669189	3605491*	1553	155	84	71
L 04412	L	LE	4	2	2	13	20S	37E	669181	3605894*	1956	140	85	55
L 05351	L	LE		2	2	13	20S	37E	669082	3605995*	2063	115		
L 10117	L	LE	1	1	2	13	20S	37E	668580	3606086*	2247	130	70	60
L 05350	L	LE		2	1	13	20S	37E	668279	3605980*	2257	100		
L 02109	L	LE	2	4	2	18	20S	38E	670803	3605719*	2368	124	50	74
L 01675 POD1	L	LE		3	3	07	20S	38E	669476	3606405*	2478	130	80	50
L 05912	L	LE	4	4	1	07	20S	38E	669969	3607116*	3260			

1 mile = 1610 meters

Average Depth to Water: **73 feet**

Minimum Depth: **50 feet**

Maximum Depth: **85 feet**

Record Count: 8

UTMNAD83 Radius Search (in meters): from SEMU 247

Easting (X): 669242 **Northing (Y):** 3603938 **Radius:** 3375

EXHIBIT I

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced and no longer serves this file, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(acre ft per annum)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code Grant	Source	q q q 6416 4	Sec	Twns	Rng	X	Y	Distance
L 08071	L	STK	0	S W CATTLE COMPANY	LE	L 08071			1	19	20S	38E	669725	3604190*	138
L 04412	L	SRO	162.7	BURGUNDY OIL & GAS OF NM, INC.	LE	L 04412 S2			2 4	13	20S	37E	669098	3605189*	1263
					LE	L 04412 S		Shallow	4 4 2	13	20S	37E	669189	3605491*	1471
L 02109	L	DOM	3	AMERADA PETROLEUM CORPORATION	LE	L 02109		Shallow	2 4 2	18	20S	38E	670803	3605719*	1800
L 04412	L	SRO	162.7	BURGUNDY OIL & GAS OF NM, INC.	LE	L 04412		Shallow	4 2 2	13	20S	37E	669181	3605894*	1841
L 05349	L	EXP	0	TEXACO INC.	LE	L 04412		Shallow	4 2 2	13	20S	37E	669181	3605894*	1841
L 08069	L	STK	0	S W CATTLE COMPANY	LE	L 08069			2	13	20S	37E	668890	3605786*	1875
L 05351	L	EXP	0	TEXACO INC.	LE	L 05351			2 2	13	20S	37E	669082	3605995*	1973
L 02168	L	IRR	0	VALERIE SCHNEIDER	LE	L 02168			1 2 2	18	20S	38E	670596	3606121*	2071
L 00303	L	IRR	0	JESSE W. RALEY	LE	L 00303			4 1 1	17	20S	38E	671198	3605928*	2197
L 02148	L	DOM	3	VALERIE SCHNEIDER	LE	L 02148			1 1	17	20S	38E	671099	3606029*	2221
L 01675	L	PRO	3	THE TEXAS COMPANY	LE	L 01675 POD1		Shallow	3 3	07	20S	38E	669476	3606405*	2255
L 10117	L	STK	3	S W CATTLE COMPANY	LE	L 10117		Shallow	1 1 2	13	20S	37E	668580	3606086*	2295
L 04412	L	SRO	162.7	BURGUNDY OIL & GAS OF NM, INC.	LE	L 04412 S3			4 4	12	20S	37E	669075	3606398*	2350
L 05350	L	EXP	0	TEXACO INC.	LE	L 05350			2 1	13	20S	37E	668279	3605980*	2395
L 05912	L	SRO	565	AMERADA PETROLEUM CORPORATION	LE	L 05912		Shallow	4 4 1	07	20S	38E	669969	3607116*	2934
L 12762	L	STK	3	MALCOLM COOMBES		L 12762 POD1		Shallow					670245	3607432	3271
L 03281	L	DOM	3	DE KALB AGRICULTURAL ASSOC.	LE	L 03281		Shallow	1 3 1	08	20S	38E	670976	3607337*	3344

1 mile = 1610 meters

***UTM location was derived from PLSS - see Help**

EXHIBIT I

(acre ft per annum)

(R=POD has been replaced and no longer serves this file, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q 6416 4	Sec	Tws	Rng	X	Y	Distance

Record Count: 18

UTMNAD83 Radius Search (in meters): from SEMU 250

Easting (X): 669863 **Northing (Y):** 3604183 **Radius:** 3511

Sorted by: Distance

EXHIBIT I

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 04412 S	L	LE	4	4	2	13	20S	37E	669189	3605491*	1471	155	84	71
L 02109	L	LE	2	4	2	18	20S	38E	670803	3605719*	1800	124	50	74
L 04412	L	LE	4	2	2	13	20S	37E	669181	3605894*	1841	140	85	55
L 05351		LE		2	2	13	20S	37E	669082	3605995*	1973	115		
L 01675 POD1	L	LE		3	3	07	20S	38E	669476	3606405*	2255	130	80	50
L 10117	L	LE	1	1	2	13	20S	37E	668580	3606086*	2295	130	70	60
L 05350	L	LE		2	1	13	20S	37E	668279	3605980*	2395	100		
L 05912	L	LE	4	4	1	07	20S	38E	669969	3607116*	2934			
L 12762 POD1	L								670245	3607432	3271	229		
L 03281	L	LE	1	3	1	08	20S	38E	670976	3607337*	3344	127	60	67

1 mile = 1610 meters

Average Depth to Water: **71 feet**

Minimum Depth: **50 feet**

Maximum Depth: **85 feet**

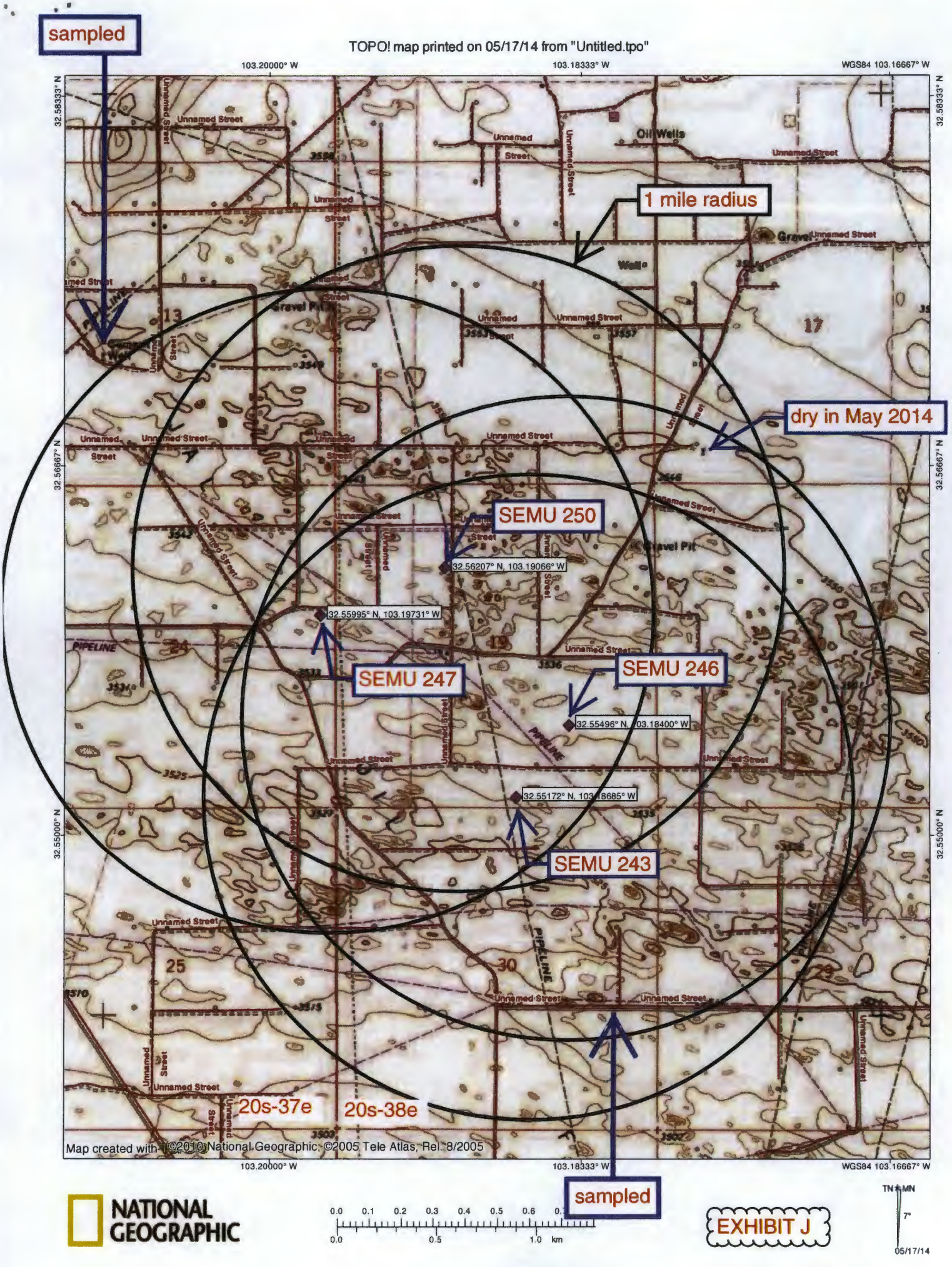
Record Count: 10

UTMNAD83 Radius Search (in meters): from SEMU 250

Easting (X): 669863 **Northing (Y):** 3604183 **Radius:** 3511

EXHIBIT I

***UTM location was derived from PLSS - see Help**


sampled
TOPO! map printed on 05/17/14 from "Untitled.tpo"
103.20000° W
103.18333° W
WGS84 103.16667° W
32.58333° N
1 mile radius
dry in May 2014
SEMU 250
32.56207° N, 103.19066° W
32.55995° N, 103.19731° W
SEMU 247
SEMU 246
32.55496° N, 103.18400° W
32.55172° N, 103.18685° W
SEMU 243
32.56667° N
32.55000° N
20s-37e
20s-38e
Map created with TOPO! ©2010 National Geographic, ©2005 Tele Atlas, Rel. 8/2005
sampled
NATIONAL GEOGRAPHIC
0.0 0.1 0.2 0.3 0.4 0.5 0.6
0.0 0.5 1.0 km
EXHIBIT J
TN
MN
7°
05/17/14


dry water well in SWSW 17-20s-38e
EXHIBIT J

Ogallala boundary

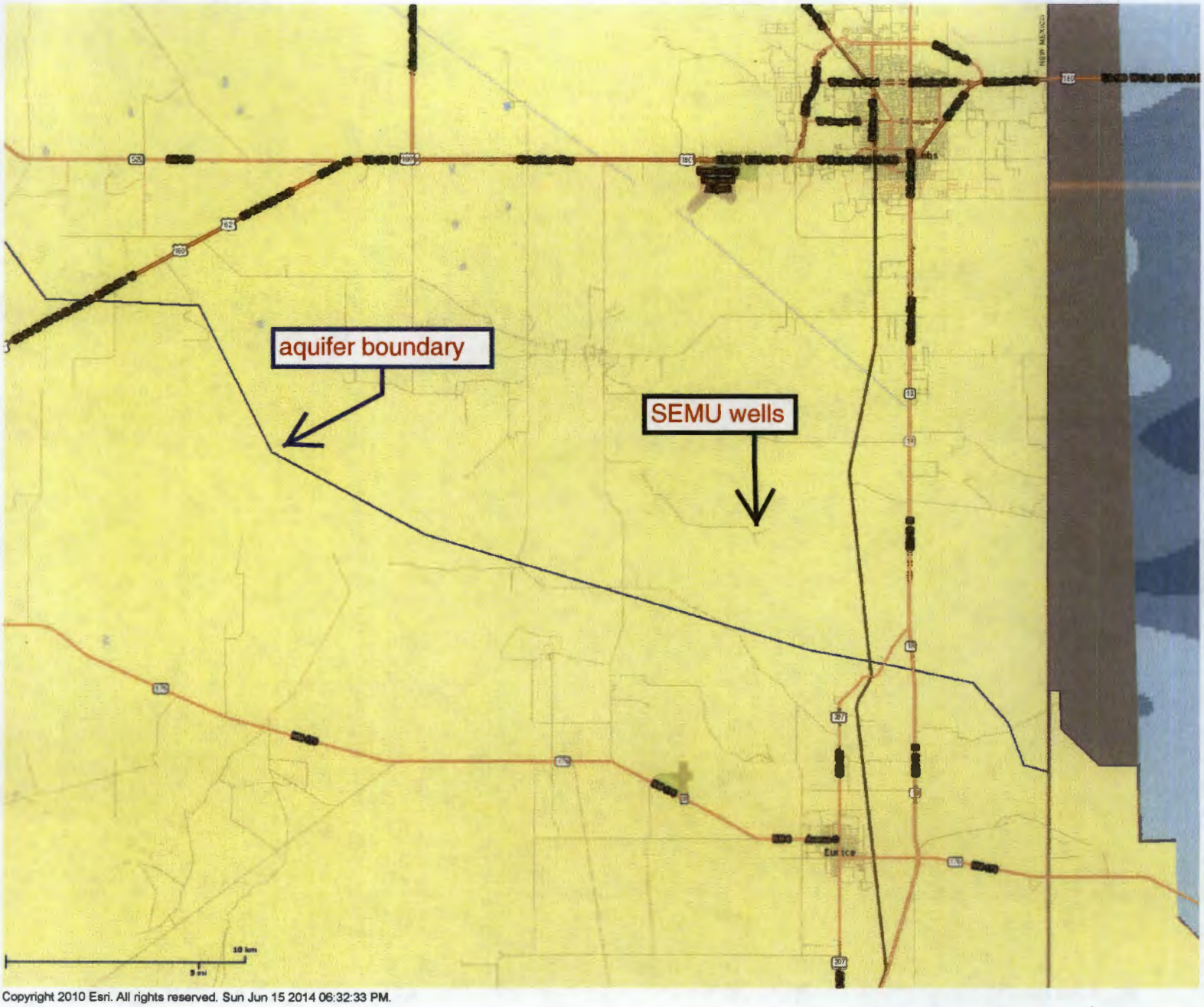


EXHIBIT J

Analytical Report
Lab Order **1405C96**
Date Reported: **6/10/2014**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Permits West
Client Sample ID: CP-SEMU-NW
Project: Conoco Phillips SEMU
Collection Date: 5/28/2014 11:40:00 AM
Lab ID: 1405C96-001
Matrix: AQUEOUS
Received Date: 5/30/2014 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: **JRR**
Chloride	1500	50	*	mg/L	100	6/3/2014 8:40:00 AM	R19002
EPA METHOD 1664A							Analyst: **ECH**
N-Hexane Extractable Material	ND	5.2		mg/L	1	6/4/2014 12:00:00 PM	13473
SM2540C MOD: TOTAL DISSOLVED SOLIDS							Analyst: **KS**
Total Dissolved Solids	3010	40.0	*	mg/L	1	6/4/2014 3:27:00 PM	13486

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

EXHIBIT J

Analytical Report
Lab Order **1405C96**
Date Reported: **6/10/2014**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Permits West
Client Sample ID: CP-SEMU-SE
Project: Conoco Phillips SEMU
Collection Date: 5/28/2014 1:05:00 PM
Lab ID: 1405C96-002
Matrix: AQUEOUS
Received Date: 5/30/2014 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	57	5.0		mg/L	10	6/3/2014 8:52:24 AM	R19002
EPA METHOD 1664A						Analyst: **ECH**	
N-Hexane Extractable Material	ND	5.2		mg/L	1	6/4/2014 12:00:00 PM	13473
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	545	20.0	*	mg/L	1	6/4/2014 3:27:00 PM	13486

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

EXHIBIT J

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1405C96**

10-Jun-14

Client: Permits West

Project: Conoco Phillips SEMU

Sample ID **MB-13473**	SampType: **MBLK**	TestCode: **EPA Method 1664A**
Client ID: **PBW**	Batch ID: **13473**	RunNo: **19074**
Prep Date: **6/2/2014**	Analysis Date: **6/4/2014**	SeqNo: **551106** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Hexane Extractable Material	ND	5.0								
Silica Gel Treated N-Hexane Extrac	ND	5.0								

Sample ID **LCS-13473**	SampType: **LCS**	TestCode: **EPA Method 1664A**
Client ID: **LCSW**	Batch ID: **13473**	RunNo: **19074**
Prep Date: **6/2/2014**	Analysis Date: **6/4/2014**	SeqNo: **551107** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Hexane Extractable Material	33	5.0	40.00	0	83.0	78	114			
Silica Gel Treated N-Hexane Extrac	17	5.0	20.00	0	85.5	64	132			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

EXHIBIT J

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1405C96**

10-Jun-14

Client: Permits West

Project: Conoco Phillips SEMU

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R19002**	RunNo: **19002**
Prep Date:	Analysis Date: **6/2/2014**	SeqNo: **549167** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R19002**	RunNo: **19002**
Prep Date:	Analysis Date: **6/2/2014**	SeqNo: **549168** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.8	0.50	5.000	0	97.0	90	110			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R19002**	RunNo: **19002**
Prep Date:	Analysis Date: **6/2/2014**	SeqNo: **549219** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R19002**	RunNo: **19002**
Prep Date:	Analysis Date: **6/2/2014**	SeqNo: **549220** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7	0.50	5.000	0	94.8	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

EXHIBIT J

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1405C96**

10-Jun-14

Client: Permits West

Project: Conoco Phillips SEMU

Sample ID **MB-13486**	SampType: **MBLK**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **PBW**	Batch ID: **13486**	RunNo: **19043**
Prep Date: **6/3/2014**	Analysis Date: **6/4/2014**	SeqNo: **550143** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID **LCS-13486**	SampType: **LCS**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **LCSW**	Batch ID: **13486**	RunNo: **19043**
Prep Date: **6/3/2014**	Analysis Date: **6/4/2014**	SeqNo: **550144** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1020	20.0	1000	0	102	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

EXHIBIT J

USGS
science for a changing world

Geologic Hazards Science Center

EHP Quaternary Faults

Search for fault: Guadalupe Select a state or region map: Submit

Submit Clear Selected Features

EXHIBIT K

Affidavit of Publication

State of New Mexico,
County of Lea.

I, TODD BAILEY
EDITOR
of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period

of 1 issue(s).
Beginning with the issue dated
June 06, 2014
and ending with the issue dated
June 06, 2014

EDITOR
Sworn and subscribed to before me
this 6th day of
June, 2014

Notary Public

My commission expires
January 29, 2015
(Seal)

OFFICIAL SEAL
GUSSIE BLACK
Notary Public
State of New Mexico
My Commission Expires 1-29-15

This newspaper is duly qualified to publish legal notices or advertisments within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said publication has been made.

LEGAL NOTICE
June 6, 2014

ConocoPhillips Company is applying to drill 4 water injection wells in Lea County. Injection will be into the Grayburg. Maximum injection rate will be 900 bwpd per well. Maximum injection pressure will be 1,400 psi. The wells are located 6 miles southeast of Monument, NM. SEMU 243 will be at 150 FSL & 2341 FEL Sec. 19, T. 20 S., R. 38 E. and will inject from 3767 to 3997'. SEMU 246 will be at 1329 FSL & 1464 FEL Sec. 19, T. 20 S., R. 38 E. and will inject from 3777' to 4006'. SEMU 247 surface hole location will be at 2139 FNL & 265 FEL Sec. 24, T. 20 S., R. 37 E. SEMU 247 bottom hole location will be at 2495 FSL & 94 FWL Sec. 19, T. 20 S., R. 38 E. and will inject from 3585' to 3813'. SEMU 250 surface hole location will be at 1371 FNL & 1766 FWL Sec. 19, T. 20 S., R. 38 E. SEMU 250 bottom hole location will be at 1300 FNL & 1233 FWL Sec. 19, T. 20 S., R. 38 E. and will inject from 3764' to 3989'. Interested parties must file objections or requests for hearing with the NM Oil Conservation Division, 1220 South Saint Francis Dr., Santa Fe, NM 87505 within 15 days. Additional information can be obtained by contacting: Brian Wood, Permits West, Inc., 37 Verano Loop, Santa Fe, NM 87508. Phone number is (505) 466-8120.
#29122

02108485 00137888

BRIAN WOOD
PERMITS WEST
37 VERANO LOOP
SANTA FE, NM 87508

EXHIBIT L

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

July 11, 2014

BLM
620 E. Greene St.
Carlsbad NM 88220

ConocoPhillips Company is applying (see attached application) to drill 4 water injection wells 6 miles southeast of Monument in Lea County, NM. Maximum injection rate will be 900 bwpd per well. Maximum injection pressure will be 1400 psi. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following 4 proposed water injection wells. This letter is a notice only. No action is needed unless you have questions or objections.

Well	SHL	BHL	Injection Interval	TVD
SEMU 243	150 FSL & 2341 FEL 19-20s-38e	same	3767' - 3997'	4197'
SEMU 246	1329 FSL & 1464 FEL 19-20s-38e	same	3777' - 4006'	4206'
SEMU 247	2139 FNL & 265 FEL 24-20s-37e	2495 FSL & 94 FWL 19-20s-38e	3585' - 3813'	4213'
SEMU 250	1371 FNL & 1786 FWL 19-20s-38e	1300 FNL & 1233 FWL 19-20s-38e	3764' - 3989'	4189'

Applicant Name: ConocoPhillips Company (281) 206-5281
Applicant's Address: 600 North Dairy Ashford Road, Houston TX 77079

Submittal Information: Application for 4 water injection wells will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood

EXHIBIT M

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
37 Verano Loop, Santa Fe, New Mexico 87506 (505) 466-8120

July 11, 2014

Apache Corporation &
ZPZ Delaware I LLC
2000 Post Oak Blvd, Suite 100
Houston TX 770564497

ConocoPhillips Company is applying (see attached application) to drill 4 water injection wells 6 miles southeast of Monument in Lea County, NM. Maximum injection rate will be 900 bwpd per well. Maximum injection pressure will be 1400 psi. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following 4 proposed water injection wells. This letter is a notice only. No action is needed unless you have questions or objections.

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SEMU 247	2139 FNL & 265 FEL 24-20s-37e	2495 FSL & 94 FWL 19-20s-38e	3585' - 3813'	4213'
SEMU 250	1371 FNL & 1786 FWL 19-20s-38e	1300 FNL & 1233 FWL 19-20s-38e	3764' - 3989'	4189'

Applicant Name: ConocoPhillips Company (281) 206-5281
Applicant's Address: 600 North Dairy Ashford Road, Houston TX 77079

Submittal Information: Application for 4 water injection wells will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood

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ConocoPhil-SEMU

Sent To APACHE CORPORATION & ZPZ
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City, State, ZIP+4

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
37 Verano Loop, Santa Fe, New Mexico 87506 (505) 466-8120

July 11, 2014

BP America Production Co.
P. O. Box 3092
Houston TX 772533092

ConocoPhillips Company is applying (see attached application) to drill 4 water injection wells 6 miles southeast of Monument in Lea County, NM. Maximum injection rate will be 900 bwpd per well. Maximum injection pressure will be 1400 psi. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following 4 proposed water injection wells. This letter is a notice only. No action is needed unless you have questions or objections.

Well	SHL	BHL	Injection Interval	TVD
SEMU 243	150 FSL & 2341 FEL 19-20s-38e	same	3767' - 3997'	4197'
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SEMU 247	2139 FNL & 265 FEL 24-20s-37e	2495 FSL & 94 FWL 19-20s-38e	3585' - 3813'	4213'
SEMU 250	1371 FNL & 1786 FWL 19-20s-38e	1300 FNL & 1233 FWL 19-20s-38e	3764' - 3989'	4189'

Applicant Name: ConocoPhillips Company (281) 206-5281
Applicant's Address: 600 North Dairy Ashford Road, Houston TX 77079

Submittal Information: Application for 4 water injection wells will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood

7013 0600 0001 8726 9365

EXHIBIT M

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ConocoPhil-SEMU

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City, State, ZIP+4

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

July 11, 2014

W. D. Burger
414 Fisk Bldg.
Amarillo TX 79105

ConocoPhillips Company is applying (see attached application) to drill 4 water injection wells 6 miles southeast of Monument in Lea County, NM. Maximum injection rate will be 900 bwpd per well. Maximum injection pressure will be 1400 psi. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following 4 proposed water injection wells. This letter is a notice only. No action is needed unless you have questions or objections.

Well	SHL	BHL	Injection Interval	TVD
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Applicant Name: ConocoPhillips Company (281) 206-5281
Applicant's Address: 600 North Dairy Ashford Road, Houston TX 77079

Submittal Information: Application for 4 water injection wells will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood

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ConocoPhil - SEMU

Sent To W.D. BURGER
Street, Apt. No., or PO Box No.
City, State, ZIP+4

7013 0600 0001 8726 9402

EXHIBIT M

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

July 11, 2014

Burgundy Oil & Gas of NM, GOP Inc.,
KW Oil & Gas Inc., & RRS Oil, Inc.
401 W. Texas Ave., Suite 1003
Midland TX 79701

ConocoPhillips Company is applying (see attached application) to drill 4 water injection wells 6 miles southeast of Monument in Lea County, NM. Maximum injection rate will be 900 bwpd per well. Maximum injection pressure will be 1400 psi. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following 4 proposed water injection wells. This letter is a notice only. No action is needed unless you have questions or objections.

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SEMU 247	2139 FNL & 265 FEL 24-20s-37e	2495 FSL & 94 FWL 19-20s-38e	3585' - 3813'	4213'
SEMU 250	1371 FNL & 1786 FWL 19-20s-38e	1300 FNL & 1233 FWL 19-20s-38e	3764' - 3989'	4189'

Applicant Name: ConocoPhillips Company (281) 206-5281
Applicant's Address: 600 North Dairy Ashford Road, Houston TX 77079

Submittal Information: Application for 4 water injection wells will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood

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7013 0600 0001 8726 9372

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

July 11, 2014

Chevron USA Inc.
P. O. Box 1635
Houston TX 77251

ConocoPhillips Company is applying (see attached application) to drill 4 water injection wells 6 miles southeast of Monument in Lea County, NM. Maximum injection rate will be 900 bwpd per well. Maximum injection pressure will be 1400 psi. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following 4 proposed water injection wells. This letter is a notice only. No action is needed unless you have questions or objections.

Well	SHL	BHL	Injection Interval	TVD
SEMU 243	150 FSL & 2341 FEL 19-20s-38e	same	3767' - 3997'	4197'
SEMU 246	1329 FSL & 1464 FEL 19-20s-38e	same	3777' - 4006'	4206'
SEMU 247	2139 FNL & 265 FEL 24-20s-37e	2495 FSL & 94 FWL 19-20s-38e	3585' - 3813'	4213'
SEMU 250	1371 FNL & 1786 FWL 19-20s-38e	1300 FNL & 1233 FWL 19-20s-38e	3764' - 3989'	4189'

Applicant Name: ConocoPhillips Company (281) 206-5281
Applicant's Address: 600 North Dairy Ashford Road, Houston TX 77079

Submittal Information: Application for 4 water injection wells will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood

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EXHIBIT M

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

July 11, 2014

Cross Timbers Energy LLC
400 W. 7th St.
Ft. Worth TX 76102

ConocoPhillips Company is applying (see attached application) to drill 4 water injection wells 6 miles southeast of Monument in Lea County, NM. Maximum injection rate will be 900 bwpd per well. Maximum injection pressure will be 1400 psi. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following 4 proposed water injection wells. This letter is a notice only. No action is needed unless you have questions or objections.

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SEMU 250	1371 FNL & 1786 FWL 19-20s-38e	1300 FNL & 1233 FWL 19-20s-38e	3764' - 3989'	4189'

Applicant Name: ConocoPhillips Company (281) 206-5281
Applicant's Address: 600 North Dairy Ashford Road, Houston TX 77079

Submittal Information: Application for 4 water injection wells will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood

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Street, Apt. No.; or PO Box No.
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7013 0600 0001 8726 9396

PS Form 3800, August

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

July 11, 2014

John H. Hendrix Corp.
P. O. Box 3040
Midland TX 797023040

ConocoPhillips Company is applying (see attached application) to drill 4 water injection wells 6 miles southeast of Monument in Lea County, NM. Maximum injection rate will be 900 bwpd per well. Maximum injection pressure will be 1400 psi. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following 4 proposed water injection wells. This letter is a notice only. No action is needed unless you have questions or objections.

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Applicant Name: ConocoPhillips Company (281) 206-5281
Applicant's Address: 600 North Dairy Ashford Road, Houston TX 77079

Submittal Information: Application for 4 water injection wells will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood

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Sent To JOHN H. HENDRIX CORP.
Street, Apt. No., or PO Box No.
City, State, ZIP+4

7013 0600 0001 8726 9426

EXHIBIT M

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

July 11, 2014

Penroc Oil Corp.
P. O. Box 2769
Hobbs NM 88241

ConocoPhillips Company is applying (see attached application) to drill 4 water injection wells 6 miles southeast of Monument in Lea County, NM. Maximum injection rate will be 900 bwpd per well. Maximum injection pressure will be 1400 psi. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following 4 proposed water injection wells. This letter is a notice only. No action is needed unless you have questions or objections.

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SEMU 250	1371 FNL & 1786 FWL 19-20s-38e	1300 FNL & 1233 FWL 19-20s-38e	3764' - 3989'	4189'

Applicant Name: ConocoPhillips Company (281) 206-5281
Applicant's Address: 600 North Dairy Ashford Road, Houston TX 77079

Submittal Information: Application for 4 water injection wells will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood

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Street, Apt. No., or PO Box No.
City, State, ZIP+4

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

July 11, 2014

David M. Warren
P. O. Box 429
Panhandle TX 79068

ConocoPhillips Company is applying (see attached application) to drill 4 water injection wells 6 miles southeast of Monument in Lea County, NM. Maximum injection rate will be 900 bwpd per well. Maximum injection pressure will be 1400 psi. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following 4 proposed water injection wells. This letter is a notice only. No action is needed unless you have questions or objections.

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Applicant Name: ConocoPhillips Company (281) 206-5281
Applicant's Address: 600 North Dairy Ashford Road, Houston TX 77079

Submittal Information: Application for 4 water injection wells will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood

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Sent To: DAVID M. WARREN
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ConocoPhil-SEMU

7013 0600 0001 8726 9433

EXHIBIT M

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

July 11, 2014

XTO Energy Inc.
810 Houston St., Suite 2000
Ft. Worth TX 76102

ConocoPhillips Company is applying (see attached application) to drill 4 water injection wells 6 miles southeast of Monument in Lea County, NM. Maximum injection rate will be 900 bwpd per well. Maximum injection pressure will be 1400 psi. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following 4 proposed water injection wells. This letter is a notice only. No action is needed unless you have questions or objections.

Well	SHL	BHL	Injection Interval	TVD
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SEMU 250	1371 FNL & 1786 FWL 19-20s-38e	1300 FNL & 1233 FWL 19-20s-38e	3764' - 3989'	4189'

Applicant Name: ConocoPhillips Company (281) 206-5281
Applicant's Address: 600 North Dairy Ashford Road, Houston TX 77079

Submittal Information: Application for 4 water injection wells will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood

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Sent To: XTO ENERGY INC.
Street, Apt. No.; or PO Box No.:
City, State, ZIP+4:

Conophil-SEMU

7013 0600 0001 8726 9440

C-108 Review Checklist: Received _____ Add. Request: _____ Reply Date: _____ Suspended: _____ [Ver 13]

PERMIT TYPE: (WFX) / PMX / SWD Number: _____ Permit Date: _____ Legacy Permits/Orders: _____

Well No. 243 Well Name(s): SEMU

API : 30-0 25-42015 Spud Date: _____ New or Old: _____ (*UIC Class II Primacy 03/07/1982*)

Footages 150 FSL & 2341 FEL Lot ___ or Unit O Sec 14 Tsp 20S Rge 38E County Lea

General Location: 6 miles S southeast Monument Pool: Skaggs; Grayburg Pool No.: 57380

BLM 100K Map: _____ Operator: ConocoPhillips OGRID: 21781 Contact: Brian Woods

COMPLIANCE RULE 5.9: Total Wells: 4556 Inactive: 4 Fincl Assur: _____ Compl. Order? _____ **IS 5.9 OK?** ___ **Date:** _____

WELL FILE REVIEWED ○ Current Status: Proposed

WELL DIAGRAMS: NEW: Proposed (X) or **RE-ENTER:** Before Conv. ○ After Conv. ○ Logs in Imaging: _____

Planned Rehab Work to Well: N/A

Well Construction Details:	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Stage Tool	Cement Sx or Cf	Cement Top and Determination Method
Planned __or Existing __Surface	12 1/4" / 8 5/8"	1425		750 sx	Surface
Planned __or Existing __ Interm/Prod					
Planned __or Existing __Interm/Prod					
Planned __or Existing __ Prod/Liner	7 7/8" / 5 1/2"	4187		720 sx	Surface
Planned __or Existing __ Liner					
Planned __or Existing __ OH / (PERF)	3767 - 3997		Inj Length		

Injection Stratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops
Adjacent Unit: Litho. Struc. Por.			
Confining Unit: Litho. Struc. Por.			
Proposed Inj Interval TOP:	3777		
Proposed Inj Interval BOTTOM:	4006		
Confining Unit: Litho. Struc. Por.			
Adjacent Unit: Litho. Struc. Por.			

Completion/Operation Details:

Drilled TD 4187 PBTD _____

NEW TD _____ NEW PBTD _____

NEW Open Hole ○ or NEW Perfs (✓)

Tubing Size 2 3/8 in. Inter Coated? Y

Proposed Packer Depth 3717 ft

Min. Packer Depth 3667 (100-ft limit)

Proposed Max. Surface Press. 1400 psi

Admin. Inj. Press. 753 (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P ○ *Noticed?* _____ **BLM Sec Ord** ○ **WIPP** ○ *Noticed?* _____ **SALT/SALADO** T: _____ B: _____ **CLIFF HOUSE** _____

FRESH WATER: Aquifer Ogallala Max Depth 85 **HYDRO AFFIRM STATEMENT By Qualified Person** ○

NMOSE Basin: Lea **CAPITAN REEF:** thru○ adj○ NA(X) **No. Wells within 1-Mile Radius?** _____ FW Analysis○

Disposal Fluid: Formation Source(s) Production water Analysis? NA On Lease (✓) Operator Only ○ or Commercial ○

Disposal Int: Inject Rate (Avg/Max BWPD): 750/900 Protectable Waters? _____ Source: _____ System: Closed○ or Open○

HC Potential: Producing Interval? X Formerly Producing? _____ Method: Logs/DST/P&A/Other _____ 2-Mile Radius Pool Map ○

AOR Wells: 1/2-M Radius Map? Y Well List? Y Total No. Wells Penetrating Interval: 46 Horizontals? Ø

Penetrating Wells: No. Active Wells 30 Num Repairs? ___ on which well(s)? _____ Diagrams? _____

Penetrating Wells: No. P&A Wells 10 Num Repairs? ___ on which well(s)? _____ Diagrams? Y

NOTICE: Newspaper Date June 6, 2014 Mineral Owner BLM Surface Owner BLM N. Date July 11

RULE 26.7(A): Identified Tracts? Y Affected Persons: OXY, Apache, Chevron N. Date July 11

Permit Conditions: **Issues:** _____

Add Permit Cond: _____

C-108 Review Checklist: Received _____ Add. Request: _____ Reply Date: _____ Suspended: _____ [Ver 13]

PERMIT TYPE: (WFX) PMX / SWD Number: _____ Permit Date: _____ Legacy Permits/Orders: _____

Well No. 246 Well Name(s): Scm 4

API : 30-0 25-42018 Spud Date: _____ New or Old: ____ (*UIC Class II Primacy 03/07/1982*)

Footages 1320 FSL & 1464 FEL Lot ___ or Unit J Sec 19 Tsp 20S Rge 38E County Lea

General Location: 6 miles southeast monument Pool: S Kaggs; Grayburg Pool No.: 57380

BLM 100K Map: _____ Operator: Conocophillips OGRID: 217817 Contact: Brian Woods

COMPLIANCE RULE 5.9: Total Wells: 4554 Inactive: 4 Fincl Assur: Y Compl. Order? _____ **IS 5.9 OK?** ____ **Date:** _____

WELL FILE REVIEWED ◯ Current Status: Proposed

WELL DIAGRAMS: NEW: Proposed (C) or **RE-ENTER:** Before Conv. ◯ After Conv. ◯ Logs in Imaging: _____

Planned Rehab Work to Well: _____

Well Construction Details:	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Stage Tool	Cement Sx or Cf	Cement Top and Determination Method
Planned __or Existing __ **Surface**	12 1/4 / 8 5/8	1437		750	Surface / V
Planned __or Existing __ **Interm/Prod**					
Planned __or Existing __ **Interm/Prod**					
Planned __or Existing __ **Prod/Liner**				720	Surface / V
Planned __or Existing __ **Liner**	7 7/8 / 5 1/2				
Planned __or Existing __ **OH / PERF**			Inj Length		

Injection Stratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops
Adjacent Unit: Litho. Struc. Por.			
Confining Unit: Litho. Struc. Por.			
Proposed Inj Interval TOP:	3777		
Proposed Inj Interval BOTTOM:	4006		
Confining Unit: Litho. Struc. Por.			
Adjacent Unit: Litho. Struc. Por.			

Completion/Operation Details:

Drilled TD 4206 PBTD _____

NEW TD _____ NEW PBTD _____

NEW Open Hole ◯ or NEW Perfs ◯

Tubing Size 2 3/8 in. Inter Coated? Y

Proposed Packer Depth 3727 ft

Min. Packer Depth 3677 (100-ft limit)

Proposed Max. Surface Press. 1400 psi

Admin. Inj. Press. 755 (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P ◯ *Noticed?* _____ **BLM Sec Ord** ◯ **WIPP** ◯ *Noticed?* _____ **SALT/SALADO** T: _____ B: _____ **CLIFF HOUSE** _____

FRESH WATER: Aquifer Ogallala Max Depth 85 **HYDRO AFFIRM STATEMENT By Qualified Person** (C)

NMOSE Basin: Lea **CAPITAN REEF:** thru◯ adj◯ NA◯ **No. Wells within 1-Mile Radius?** _____ FW Analysis◯

Disposal Fluid: Formation Source(s) Production water Analysis? NA On Lease (C) Operator Only ◯ or Commercial ◯

Disposal Int: Inject Rate (Avg/Max BWPD): 750/900 Protectable Waters? _____ Source: _____ System: Closed◯ or Open◯

HC Potential: Producing Interval? X Formerly Producing? _____ Method: Logs/DST/P&A/Other _____ 2-Mile Radius Pool Map ◯

AOR Wells: 1/2-M Radius Map? Y Well List? Y Total No. Wells Penetrating Interval: 46 Horizontals? Ø

Penetrating Wells: No. Active Wells 30 Num Repairs? ____ on which well(s)? _____ Diagrams? Y

Penetrating Wells: No. P&A Wells 10 Num Repairs? ____ on which well(s)? _____ Diagrams? _____

NOTICE: Newspaper Date June 6, 24 Mineral Owner BLM Surface Owner BLM N. Date July 11

RULE 26.7(A): Identified Tracts? Y Affected Persons: Oxy, Chevron, N. Date July 11

Permit Conditions: **Issues:** _____

Add Permit Cond: _____

C-108 Review Checklist: Received _____ Add. Request: _____ Reply Date: _____ Suspended: _____ [Ver 13]

PERMIT TYPE: (WFX) / PMX / SWD Number: _____ Permit Date: _____ Legacy Permits/Orders: _____

Well No. 5 Eunice Well Name(s): 247

API : 30-0 25-42015 Spud Date: _____ New or Old: _____ (*UIC Class II Primacy 03/07/1982*)

2139 FSL 265 FEL H 24 20S 37E

Footages 1320 FSL 1464 FEL Lot ___ or Unit J Sec 19 Tsp 20S Rge 38E County Lea

General Location: 6 miles Southeast of monument Pool: Skaggs; Grayburg Pool No.: 57380

BLM 100K Map: _____ Operator: ConocoPhillips OGRID: 217817 Contact: Brian Woods

COMPLIANCE RULE 5.9: Total Wells: 4556 Inactive: 4 Fincl Assur: Y Compl. Order? _____ **IS 5.9 OK?** ___ **Date:** _____

WELL FILE REVIEWED ◯ Current Status: Proposed

WELL DIAGRAMS: NEW: Proposed ◯ or **RE-ENTER:** Before Conv. ◯ After Conv. ◯ Logs in Imaging: _____

Planned Rehab Work to Well: _____

Well Construction Details:	Sizes (in) Borehole / Pipe	Setting Depths (ft)		Cement Sx or Cf	Cement Top and Determination Method
Planned __or Existing __ **Surface**	12 1/4" / 8 5/8"	1452	Stage Tool	750 sx	Surface/Visual
Planned__or Existing __ **Interm/Prod**					
Planned__or Existing __ **Interm/Prod**					
Planned__or Existing __ **Prod/Liner**	7 7/8" / 5 1/2"	4341		720sx	Surface/Visual
Planned__or Existing __ **Liner**					
Planned__or Existing __ **OH** (PERF)	3585 3813		Inj Length		

Injection Stratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops
Adjacent Unit: Litho. Struc. Por.			
Confining Unit: Litho. Struc. Por.			
Proposed Inj Interval TOP:	3585		
Proposed Inj Interval BOTTOM:	3813		
Confining Unit: Litho. Struc. Por.			
Adjacent Unit: Litho. Struc. Por.			

Completion/Operation Details:

Drilled TD 4401 PBTD 4283

NEW TD _____ NEW PBTD _____

NEW Open Hole ◯ or NEW Perfs ◯

Tubing Size 2 7/8 in. Inter Coated? X

Proposed Packer Depth 3525 ft

Min. Packer Depth 3485 (100-ft limit)

Proposed Max. Surface Press. 1400 psi

Admin. Inj. Press. 717 (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P ◯ *Noticed?* _____ **BLM Sec Ord** ◯ **WIPP** ◯ *Noticed?* _____ **SALT/SALADO** T: _____ B: _____ **CLIFF HOUSE** _____

FRESH WATER: Aquifer Ogallala Max Depth 85 **HYDRO AFFIRM STATEMENT By Qualified Person** ✓

NMOSE Basin: Lea **CAPITAN REEF:** thru◯ adj◯ NA◯ **No. Wells within 1-Mile Radius?** _____ FW Analysis◯

Disposal Fluid: Formation Source(s) Production water Analysis? N/A On Lease ✓ Operator Only ◯ or Commercial ◯

Disposal Int: Inject Rate (Avg/Max BWPD): 750/900 Protectable Waters? _____ Source: _____ System: Closed◯ or Open◯

HC Potential: Producing Interval? X Formerly Producing? _____ Method: Logs/DST/P&A/Other _____ 2-Mile Radius Pool Map ◯

AOR Wells: 1/2-M Radius Map? Y Well List? Y Total No. Wells Penetrating Interval: 46 Horizontals? Ø

Penetrating Wells: No. Active Wells 3 Num Repairs? ___ on which well(s)? _____ Diagrams? _____

Penetrating Wells: No. P&A Wells 10 Num Repairs? ___ on which well(s)? _____ Diagrams? Y

NOTICE: Newspaper Date Jun 6 2014 Mineral Owner BLM Surface Owner BLM N. Date _____

RULE 26.7(A): Identified Tracts? Y Affected Persons: OXY, Chevron N. Date _____

Permit Conditions: **Issues:** _____

Add Permit Cond: _____

C-108 Review Checklist: Received _____ Add. Request: _____ Reply Date: _____ Suspended: _____ [Ver 13]

PERMIT TYPE: (WFX) / PMX / SWD Number: _____ Permit Date: _____ Legacy Permits/Orders: R-1710 WFX-158

Well No. 250 Well Name(s): SEMU

API : 30-0 25-42019 Spud Date: _____ New or Old: F (1) (*UIC Class II Primacy 03/07/1982*)

Footages 1371 FNL 1456 FWL Lot ___ or Unit I Sec 14 Tsp 20S Rge 38E County Lea

General Location: 6 miles Southeast monument Pool: SKAggs; GRAyburg Pool No.: 57380

BLM 100K Map: _____ Operator: Conocophillips OGRID: 217817 Contact: Brian Wood

COMPLIANCE RULE 5.9: Total Wells: 4556 Inactive: 4 Fincl Assur: Y Compl. Order? _____ **IS 5.9 OK?** ___ **Date:** _____

WELL FILE REVIEWED ◯ Current Status: _____

WELL DIAGRAMS: NEW: Proposed ◯ or **RE-ENTER:** Before Conv. ◯ After Conv. ◯ Logs in Imaging: _____

Planned Rehab Work to Well: _____

Well Construction Details:	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Stage Tool	Cement Sx or Cf	Cement Top and Determination Method
Planned __or Existing __ **Surface**	12 1/4" / 8 5/8"	1446		750 SX	Surface/visual
Planned__or Existing __ **Interm/Prod**					
Planned__or Existing __ **Interm/Prod**					
Planned__or Existing __ **Prod/Liner**	7 7/8 / 5 1/2"	4276		720 SX	Surface/visual
Planned__or Existing __ **Liner**					
Planned__or Existing __ **OH / PERF**	3764 3989		Inj Length		

Injection Stratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops
Adjacent Unit: Litho. Struc. Por.			
Confining Unit: Litho. Struc. Por.			
Proposed Inj Interval TOP:	3764		
Proposed Inj Interval BOTTOM:	3989		
Confining Unit: Litho. Struc. Por.			
Adjacent Unit: Litho. Struc. Por.			

Completion/Operation Details:

Drilled TD 4485 MD 4282 PBTD _____

NEW TD _____ NEW PBTD _____

NEW Open Hole ◯ or NEW Perfs (X)

Tubing Size 2 3/8 in. Inter Coated? Y

Proposed Packer Depth 3714 ft

Min. Packer Depth 3664 (100-ft limit)

Proposed Max. Surface Press. 1400 psi

Admin. Inj. Press. 753 (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P ◯ *Noticed?* _____ **BLM Sec Ord** ◯ **WIPP** ◯ *Noticed?* _____ **SALT/SALADO** T: _____ B: _____ **CLIFF HOUSE** _____

FRESH WATER: Aquifer Ogallala Max Depth 85 **HYDRO AFFIRM STATEMENT By Qualified Person** ✓

NMOSE Basin: Lea **CAPITAN REEF:** thru◯ adj◯ NA◯ **No. Wells within 1-Mile Radius?** _____ FW Analysis◯

Disposal Fluid: Formation Source(s) Production water Analysis? N/A On Lease ◯ Operator Only ◯ or Commercial ◯

Disposal Int: Inject Rate (Avg/Max BWPD): 750/900 Protectable Waters? _____ Source: _____ System: Closed◯ or Open◯

HC Potential: Producing Interval? X Formerly Producing? _____ Method: Logs/DST/P&A/Other _____ 2-Mile Radius Pool Map ◯

AOR Wells: 1/2-M Radius Map? Y Well List? Y Total No. Wells Penetrating Interval: _____ Horizontals? _____

Penetrating Wells: No. Active Wells 3 Num Repairs? ___ on which well(s)? _____ Diagrams? _____

Penetrating Wells: No. P&A Wells 10 Num Repairs? ___ on which well(s)? _____ Diagrams? Y

NOTICE: Newspaper Date June 2014 Mineral Owner BLM Surface Owner BLM N. Date July

RULE 26.7(A): Identified Tracts? _____ Affected Persons: _____ N. Date July

Permit Conditions: **Issues:** _____

Add Permit Cond: _____