

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144 CLEZ
July 21, 2008

For closed-loop systems that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure, submit to the appropriate NMOCD District Office

Closed-Loop System Permit or Closure Plan Application

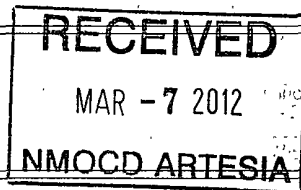
(that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)

Type of action: ☒ Permit ☐ Closure

Instructions: Please submit one application (Form C-144 CLEZ) per individual closed-loop system request. For any application request other than for a closed-loop system that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure, please submit a Form C-144.

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.	
Operator: <u>Devon Energy Production Co., LP</u> OGRID #: <u>6137</u>	
Address: <u>20 North Broadway OKC, OK 73102-8260</u>	
Facility or well name: <u>Shaktus 26 State Com 4H</u>	
API Number: <u>30-015-40012</u>	OCD Permit Number: <u>212610</u>
U/L or Qtr/Qtr <u>Section 35</u> Township <u>21S</u> Range <u>31E</u> County: <u>Eddy County, NM</u>	
Center of Proposed Design: Latitude _____ Longitude _____ NAD: <input type="checkbox"/> 1927 <input checked="" type="checkbox"/> 1983	
Surface Owner: <input type="checkbox"/> Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Tribal Trust or Indian Allotment	
2.	
<input checked="" type="checkbox"/> Closed-loop System: Subsection H of 19.15.17.11 NMAC	
Operation: <input checked="" type="checkbox"/> Drilling a new well <input type="checkbox"/> Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) <input type="checkbox"/> P&A	
<input checked="" type="checkbox"/> Above Ground Steel Tanks/or <input checked="" type="checkbox"/> Haul-off Bins	
3.	
Signs: Subsection C of 19.15.17.11 NMAC	
<input type="checkbox"/> 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers	
<input checked="" type="checkbox"/> Signed in compliance with 19.15.3.103 NMAC	
4.	
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC	
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.	
<input checked="" type="checkbox"/> Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC	
<input checked="" type="checkbox"/> Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC	
<input checked="" type="checkbox"/> Closure Plan (Please complete Box 5) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	
<input type="checkbox"/> Previously Approved Design (attach copy of design) API Number: _____	
<input type="checkbox"/> Previously Approved Operating and Maintenance Plan API Number: _____	
5.	
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC)	
Instructions: Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.	
Disposal Facility Name: <u>CRI</u>	Disposal Facility Permit Number: <u>R9166</u>
Disposal Facility Name: _____	Disposal Facility Permit Number: _____
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future service and operations?	
<input type="checkbox"/> Yes (If yes, please provide the information below) <input checked="" type="checkbox"/> No	
Required for impacted areas which will not be used for future service and operations.	
<input type="checkbox"/> Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
<input type="checkbox"/> Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC	
<input type="checkbox"/> Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC	



6.

Operator Application Certification:

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): Judy A Barnett Title: Regulatory Specialist

Signature:  Date: 1/24/12

e-mail address: Judith.Barnett@dvn.com Telephone: 405.228.8699

7. **OCD Approval:** ☒ Permit Application (including closure plan) ☐ Closure Plan (only)

OCD Representative Signature:  Approval Date: 03/07/2012

Title: Dist H Supervisor OCD Permit Number: 212610

8.

Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☐ Closure Completion Date: _____

9.

Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:

Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Were the closed-loop system operations and associated activities performed on or in areas that *will not* be used for future service and operations?

☐ Yes (If yes, please demonstrate compliance to the items below) ☐ No

Required for impacted areas which will not be used for future service and operations:

- ☐ Site Reclamation (Photo Documentation)
☐ Soil Backfilling and Cover Installation
☐ Re-vegetation Application Rates and Seeding Technique

10.

Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

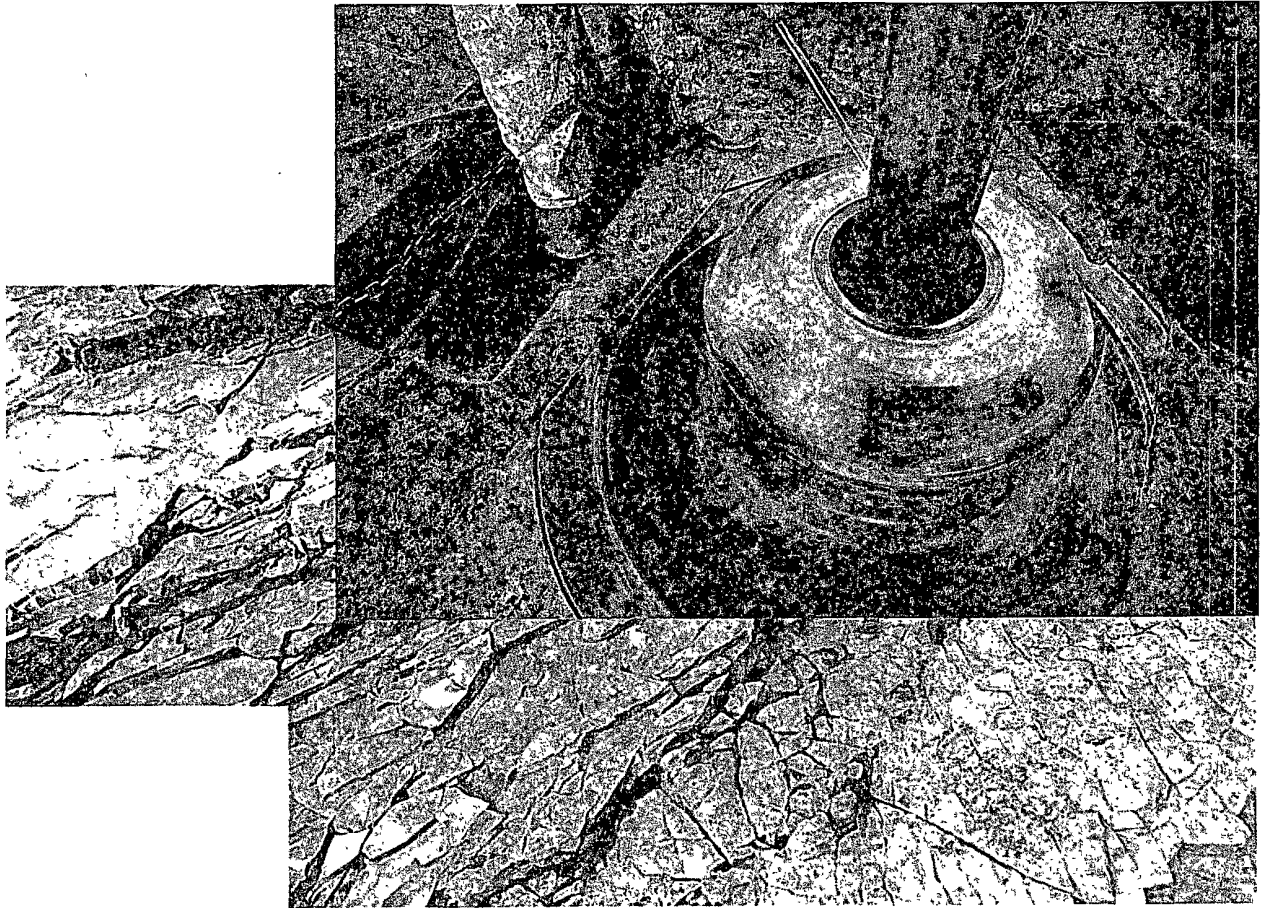
Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____



Commitment Runs Deep



Design Plan
Operation and Maintenance Plan
Closure Plan

SENM - Closed Loop Systems
June 2010

I. Design Plan

Devon uses MI SWACO closed loop system (CLS). The MI SWACO CLS is designed to maintain drill solids at or below 5%. The equipment is arranged to progressively remove solids from the largest to the smallest size. Drilling fluids can thus be reused and savings is realized on mud and disposal costs. Dewatering may be required with the centrifuges to insure removal of ultra fine solids.

The drilling location is constructed to allow storm water to flow to a central sump normally the cellar. This insures no contamination leaves the drilling pad in the event of a spill. Storm water is reused in the mud system or stored in a reserve fluid tank farm until it can be reused. All lubricants, oils, or chemicals are removed immediately from the ground to prevent the contamination of storm water. An oil trap is normally installed on the sump if an oil spill occurs during a storm.

A tank farm is utilized to store drilling fluids including fresh water and brine fluids. The tank farm is constructed on a 20 ml plastic lined, bermed pad to prevent the contamination of the drilling site during a spill. Fluids from other sites may be stored in these tanks for processing by the solids control equipment and reused in the mud system. At the end of the well the fluids are transported from the tank farm to an adjoining well or to the next well for the rig.

Prior to installing a closed-loop system on site, the topsoil, if present, will be stripped and stockpiled for use as the final cover or fill at the time of closure.

Signs will be posted on the fence surrounding the closed-loop system unless the closed-loop system is located on a site where there is an existing well, that is operated by Devon.

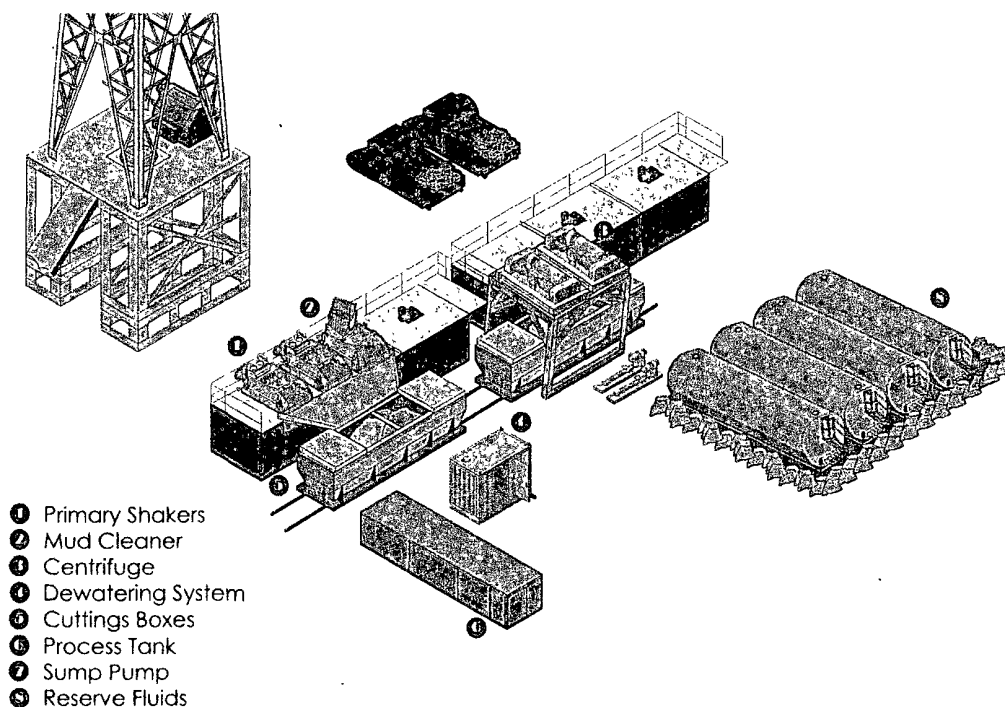
II. Operations and Maintenance Plan

Primary Shakers: The primary shakers make the first removal of drill solids from the drilling mud as it leaves the well bore. The shakers are sized to handle maximum drilling rate at optimal screen size. The shakers normally remove solids down to 74 microns.

Mud Cleaner: The Mud Cleaner cleans the fluid after it leaves the shakers. A set of hydrocyclones are sized to handle 1.25 to 1.5 times the maximum circulating rate. This ensures all the fluid is being processed to an average cut point of 25 microns. The wet discharged is dewatered on a shaker equipped with ultra fine mesh screens and generally cut at 40 microns.

devon

Closed Loop Schematic



Mi SWACO

Centrifuges: The centrifuges can be one or two in number depending on the well geometry or depth of well. The centrifuges are sized to maintain low gravity solids at 5% or below. They may or may not need a dewatering system to enhance the removal rates. The centrifuges can make a cut point of 8-10 microns depending on bowl speed, feed rate, solids loading and other factors.

The centrifuge system is designed to work on the active system and be flexible to process incoming fluids from other locations. This set-up is also dependant on well factors.

Dewatering System: The dewatering system is a chemical mixing and dosing system designed to enhance the solids removal of the centrifuge. Not commonly used in shallow wells. It may contain pH adjustment, coagulant mixing and dosing, and polymer mixing and dosing. Chemical flocculation binds ultra fine solids into a mass that is within the centrifuge operating design. The

dewatering system improves the centrifuge cut point to infinity or allows for the return of clear water or brine fluid. This ability allows for the ultimate control of low gravity solids.

Cuttings Boxes: Cuttings boxes are utilized to capture drill solids that are discarded from the solids control equipment. These boxes are set upon a rail system that allows for the removal and replacement of a full box of cuttings with an empty one. They are equipped with a cover that insures no product is spilled into the environment during the transportation phase.

Process Tank: (Optional) The process tank allows for the holding and process of fluids that are being transferred into the mud system. Additionally, during times of lost circulation the process tank may hold active fluids that are removed for additional treatment. It can further be used as a mixing tank during well control conditions.

Sump and Sump Pump: The sump is used to collect storm water and the pump is used to transfer this fluid to the active system or to the tank for to hold in reserve. It can also be used to collect fluids that may escape during spills. The location contains drainage ditches that allow the location fluids to drain to the sump.

Reserve Fluids (Tank Farm): A series of frac tanks are used to replace the reserve pit. These are steel tanks that are equipped with a manifold system and a transfer pump. These tanks can contain any number of fluids used during the drilling process. These can include fresh water, cut brine, and saturated salt fluid. The fluid can be from the active well or reclaimed fluid from other locations. A 20 ml liner and berm system is employed to ensure the fluids do not migrate to the environment during a spill.

If a leak develops, the appropriate division district office will be notified within 48 hours of the discovery and the leak will be addressed. Spill prevention is accomplished by maintaining pump packing, hoses, and pipe fittings to insure no leaks are occurring. During an upset condition the source of the spill is isolated and repaired as soon as it is discovered. Free liquid is removed by a diaphragm pump and returned to the mud system. Loose topsoil may be used to stabilize the spill and the contaminated soil is excavated and placed in the cuttings boxes. After the well is finished and the rig has moved, the entire location is scrapped and testing will be performed to determine if a release has occurred.

All trash is kept in a wire mesh enclosure and removed to an approved landfill when full. All spent motor oils are kept in separate containers and they are removed and sent to an approved recycling center. Any spilled lubricants, pipe

dope, or regulated chemicals are removed from soil and sent to landfills approved for these products.

These operations are monitored by Mi Swaco service technicians. Daily logs are maintained to ensure optimal equipment operation and maintenance. Screen and chemical use is logged to maintain inventory control. Fluid properties are monitored and recorded and drilling mud volumes are accounted for in the mud storage farm. This data is kept for end of well review to insure performance goals are met. Lessons learned are logged and used to help with continuous improvement.

A MI SWACO field supervisor manages from 3-5 wells. They are responsible for training personnel, supervising installations, and inspecting sites for compliance of MI SWACO safety and operational policy.

III. Closure Plan

A maximum 340' X 340' caliche pad is built per well. All of the trucks and steel tanks fit on this pad. All fluid cuttings go to the steel tanks to be hauled by various trucking companies to an agency approved disposal.



Weatherford[®]

Drilling Services

Proposal



devon

SHAQTUS 26 STATE COM#4H

EDDY COUNTY, NM

WELL FILE: PLAN 1

FEBRUARY 24, 2012

Weatherford International, Ltd.

P.O. Box 61028

Midland, TX 79711 USA

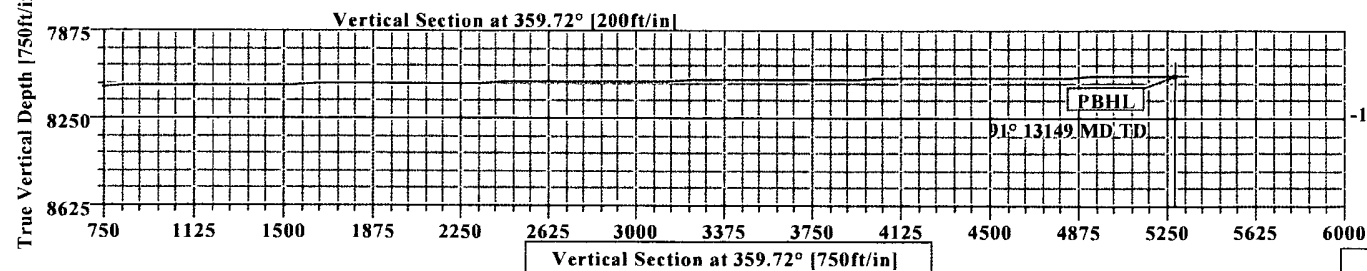
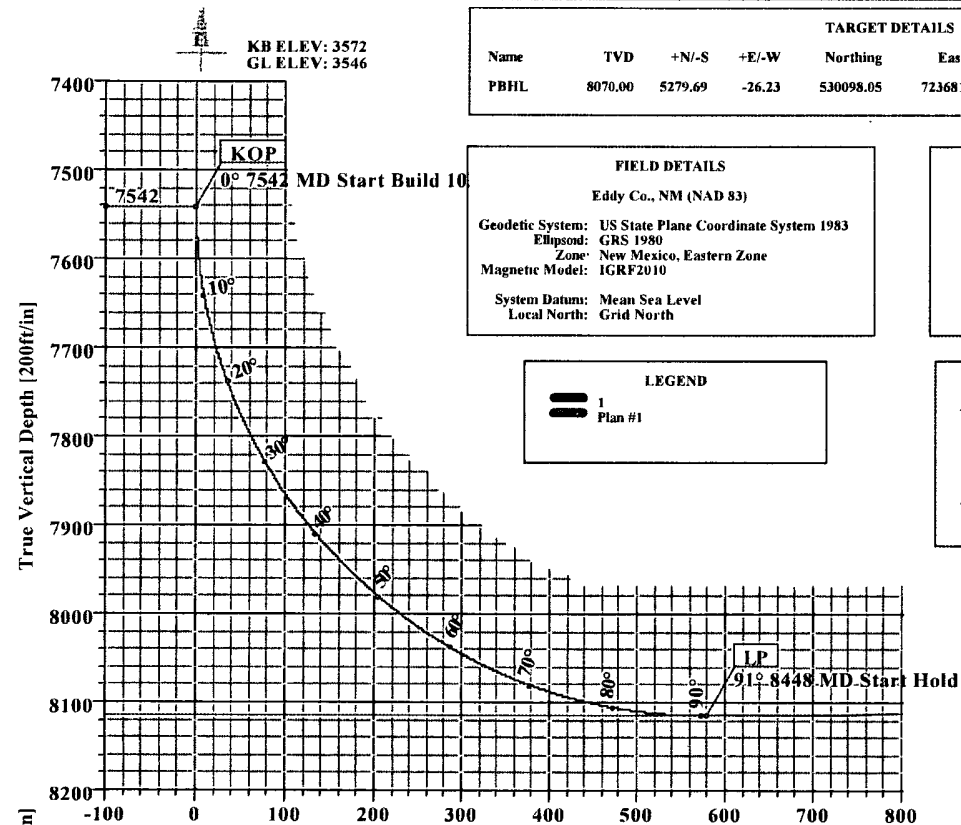
+1.432.561.8892 Main

+1.432.561.8895 Fax

www.weatherford.com



Shaqtus 26 State Com 4H
Eddy Co., New Mexico



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	359.72	0.00	0.00	0.00	0.00	0.00	0.00	
2	7542.07	0.00	359.72	7542.07	0.00	0.00	0.00	0.00	0.00	
3	8447.55	90.55	359.72	8115.00	578.43	-2.87	10.00	359.72	578.44	
4	13149.08	90.55	359.72	8070.00	5279.69	-26.23	0.00	0.00	5279.76	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northng	Easting	Latitude	Longitude	Slot
#4H	0.00	0.00	524818.36	723707.33	32°26'29.043N	103°44'31.850W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northng	Easting	Latitude	Longitude	Shape
PBHL	8070.00	5279.69	-26.23	530098.05	723681.10	32°27'21.287N	103°44'31.815W	Point

FIELD DETAILS

Eddy Co., NM (NAD 83)

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: New Mexico, Eastern Zone
Magnetic Model: IGRF2010

System Datum: Mean Sea Level
Local North: Grid North

LEGEND

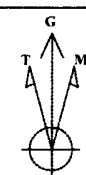


SITE DETAILS

Shaqtus 26 State Com 4H

Site Centre Northing: 524818.36
Easting: 723707.33

Ground Level: 3546.00
Positional Uncertainty: 0.00
Convergence: 0.32

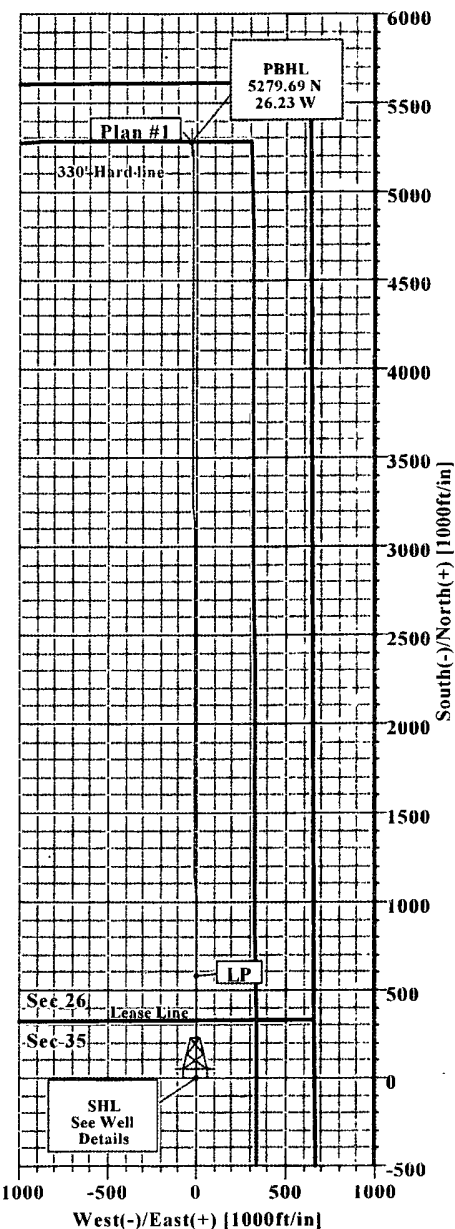


Azimuths to Grid North
True North: -0.32°
Magnetic North: 7.23°

Magnetic Field
Strength: 48646nT
Dip Angle: 60.33°
Date: 7/15/2012
Model: IGRF2010
Total Correction to Grid North: 7.23°



Weatherford



Plan: Plan #1 (#4H/1)

Created By: Russell W. Joyner

Date: 2/24/2012



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Devon Energy		Date: 2/24/2012	Time: 10 54:17	Page: 1						
Field: Eddy Co , NM (NAD 83)		Co-ordinate(NE) Reference: Well #4H, Grid North								
Site: Shaqtus 26 State Com 4H		Vertical (TVD) Reference: SITE 3572.0								
Well: #4H		Section (VS) Reference: Well (0.00N,0.00E,359.72Azi)								
Wellpath: 1		Survey Calculation Method: Minimum Curvature Db: Sybase								
Plan: Plan #1		Date Composed: 2/24/2012								
Principal: Yes		Version: 1								
		Tied-to: From Surface								
Field: Eddy Co , NM (NAD 83)										
Map System: US State Plane Coordinate System 1983		Map Zone: New Mexico, Eastern Zone								
Geo Datum: GRS 1980		Coordinate System: Well Centre								
Sys Datum: Mean Sea Level		Geomagnetic Model: IGRF2010								
Site: Shaqtus 26 State Com 4H										
Site Position:		Northing: 524818.36 ft	Latitude: 32 26 29.043 N							
From: Map		Easting: 723707.33 ft	Longitude: 103 44 31.850 W							
Position Uncertainty: 0.00 ft			North Reference: Grd							
Ground Level: 3546.00 ft			Grid Convergence: 0.32 deg							
Well: #4H		Slot Name:								
Well Position: +N/-S 0.00 ft		Northing: 524818.36 ft	Latitude: 32 26 29.043 N							
+E/-W 0.00 ft		Easting: 723707.33 ft	Longitude: 103 44 31.850 W							
Position Uncertainty: 0.00 ft										
Wellpath: 1		Drilled From: Surface								
Current Datum: SITE		Tie-on Depth: 0.00 ft								
Magnetic Data: 7/15/2012		Above System Datum: Mean Sea Level								
Field Strength: 48646 nT		Declination: 7.55 deg								
Vertical Section: Depth From (TVD)		Mag Dip Angle: 60.33 deg								
ft		ft								
0.00		0.00								
		0.00								
		359.72								
Plan Section Information										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	359.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7542.07	0.00	359.72	7542.07	0.00	0.00	0.00	0.00	0.00	0.00	
8447.55	90.55	359.72	8115.00	578.43	-2.87	10.00	10.00	0.00	359.72	
13149.08	90.55	359.72	8070.00	5279.69	-26.23	0.00	0.00	0.00	0.00	PBHL
Survey										
MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
7500.00	0.00	359.72	7500.00	0.00	0.00	0.00	0.00	524818.36	723707.33	
7542.07	0.00	359.72	7542.07	0.00	0.00	0.00	0.00	524818.36	723707.33	KOP
7600.00	5.79	359.72	7599.90	2.93	-0.01	2.93	10.00	524821.29	723707.32	
7700.00	15.79	359.72	7698.01	21.63	-0.11	21.63	10.00	524839.99	723707.22	
7800.00	25.79	359.72	7791.38	57.08	-0.28	57.08	10.00	524875.44	723707.05	
7900.00	35.79	359.72	7877.17	108.21	-0.54	108.21	10.00	524926.57	723706.79	
8000.00	45.79	359.72	7952.78	173.46	-0.86	173.46	10.00	524991.82	723706.47	
8100.00	55.79	359.72	8015.91	250.85	-1.25	250.85	10.00	525069.21	723706.08	
8200.00	65.79	359.72	8064.65	338.02	-1.68	338.03	10.00	525156.38	723705.65	
8300.00	75.79	359.72	8097.50	432.33	-2.15	432.34	10.00	525250.69	723705.18	
8400.00	85.79	359.72	8113.48	530.92	-2.64	530.93	10.00	525349.28	723704.69	
8447.55	90.55	359.72	8115.00	578.43	-2.87	578.44	10.00	525396.79	723704.46	LP
8500.00	90.55	359.72	8114.50	630.88	-3.13	630.89	0.00	525449.24	723704.20	
8600.00	90.55	359.72	8113.54	730.87	-3.63	730.88	0.00	525549.23	723703.70	
8700.00	90.55	359.72	8112.59	830.87	-4.13	830.88	0.00	525649.23	723703.20	
8800.00	90.55	359.72	8111.63	930.86	-4.62	930.87	0.00	525749.22	723702.71	
8900.00	90.55	359.72	8110.67	1030.85	-5.12	1030.87	0.00	525849.21	723702.21	



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Shaqtus 26 State Com 4H
Well: #4H
Wellpath: 1

Date: 2/24/2012 Time: 10:54:17 Page: 2
Co-ordinate(NE) Reference: Well #4H, Grnd North
Vertical (TVD) Reference: SITE 3572.0
Section (VS) Reference: Well (0.00N,0.00E,359.72Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
9000.00	90.55	359.72	8109.71	1130.85	-5.62	1130.86	0.00	525949.21	723701.71	
9100.00	90.55	359.72	8108.76	1230.84	-6.11	1230.86	0.00	526049.20	723701.22	
9200.00	90.55	359.72	8107.80	1330.84	-6.61	1330.85	0.00	526149.20	723700.72	
9300.00	90.55	359.72	8106.84	1430.83	-7.11	1430.85	0.00	526249.19	723700.22	
9400.00	90.55	359.72	8105.89	1530.83	-7.61	1530.84	0.00	526349.19	723699.72	
9500.00	90.55	359.72	8104.93	1630.82	-8.10	1630.84	0.00	526449.18	723699.23	
9600.00	90.55	359.72	8103.97	1730.81	-8.60	1730.83	0.00	526549.17	723698.73	
9700.00	90.55	359.72	8103.01	1830.81	-9.10	1830.83	0.00	526649.17	723698.23	
9800.00	90.55	359.72	8102.06	1930.80	-9.59	1930.83	0.00	526749.16	723697.74	
9900.00	90.55	359.72	8101.10	2030.80	-10.09	2030.82	0.00	526849.16	723697.24	
10000.00	90.55	359.72	8100.14	2130.79	-10.59	2130.82	0.00	526949.15	723696.74	
10100.00	90.55	359.72	8099.18	2230.78	-11.08	2230.81	0.00	527049.14	723696.25	
10200.00	90.55	359.72	8098.23	2330.78	-11.58	2330.81	0.00	527149.14	723695.75	
10300.00	90.55	359.72	8097.27	2430.77	-12.08	2430.80	0.00	527249.13	723695.25	
10400.00	90.55	359.72	8096.31	2530.77	-12.57	2530.80	0.00	527349.13	723694.76	
10500.00	90.55	359.72	8095.36	2630.76	-13.07	2630.79	0.00	527449.12	723694.26	
10600.00	90.55	359.72	8094.40	2730.76	-13.57	2730.79	0.00	527549.12	723693.76	
10700.00	90.55	359.72	8093.44	2830.75	-14.06	2830.78	0.00	527649.11	723693.27	
10800.00	90.55	359.72	8092.48	2930.74	-14.56	2930.78	0.00	527749.10	723692.77	
10900.00	90.55	359.72	8091.53	3030.74	-15.06	3030.78	0.00	527849.10	723692.27	
11000.00	90.55	359.72	8090.57	3130.73	-15.55	3130.77	0.00	527949.09	723691.78	
11100.00	90.55	359.72	8089.61	3230.73	-16.05	3230.77	0.00	528049.09	723691.28	
11200.00	90.55	359.72	8088.66	3330.72	-16.55	3330.76	0.00	528149.08	723690.78	
11300.00	90.55	359.72	8087.70	3430.71	-17.04	3430.76	0.00	528249.07	723690.29	
11400.00	90.55	359.72	8086.74	3530.71	-17.54	3530.75	0.00	528349.07	723689.79	
11500.00	90.55	359.72	8085.78	3630.70	-18.04	3630.75	0.00	528449.06	723689.29	
11600.00	90.55	359.72	8084.83	3730.70	-18.53	3730.74	0.00	528549.06	723688.80	
11700.00	90.55	359.72	8083.87	3830.69	-19.03	3830.74	0.00	528649.05	723688.30	
11800.00	90.55	359.72	8082.91	3930.69	-19.53	3930.73	0.00	528749.05	723687.80	
11900.00	90.55	359.72	8081.96	4030.68	-20.02	4030.73	0.00	528849.04	723687.31	
12000.00	90.55	359.72	8081.00	4130.67	-20.52	4130.72	0.00	528949.03	723686.81	
12100.00	90.55	359.72	8080.04	4230.67	-21.02	4230.72	0.00	529049.03	723686.31	
12200.00	90.55	359.72	8079.08	4330.66	-21.52	4330.72	0.00	529149.02	723685.81	
12300.00	90.55	359.72	8078.13	4430.66	-22.01	4430.71	0.00	529249.02	723685.32	
12400.00	90.55	359.72	8077.17	4530.65	-22.51	4530.71	0.00	529349.01	723684.82	
12500.00	90.55	359.72	8076.21	4630.64	-23.01	4630.70	0.00	529449.00	723684.32	
12600.00	90.55	359.72	8075.26	4730.64	-23.50	4730.70	0.00	529549.00	723683.83	
12700.00	90.55	359.72	8074.30	4830.63	-24.00	4830.69	0.00	529648.99	723683.33	
12800.00	90.55	359.72	8073.34	4930.63	-24.50	4930.69	0.00	529748.99	723682.83	
12900.00	90.55	359.72	8072.38	5030.62	-24.99	5030.68	0.00	529848.98	723682.34	
13000.00	90.55	359.72	8071.43	5130.62	-25.49	5130.68	0.00	529948.98	723681.84	
13100.00	90.55	359.72	8070.47	5230.61	-25.99	5230.67	0.00	530048.97	723681.34	
13149.08	90.55	359.72	8070.00	5279.69	-26.23	5279.76	0.00	530098.05	723681.10	PBHL

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec	Longitude Deg Min Sec
PBHL			8070.00	5279.69	-26.23	530098.05	723681.10	32 27 21.287 N	103 44 31.815 W



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Shaqtus 26 State Com 4H
Well: #4H
Wellpath: 1

Date: 2/24/2012 Time: 10:54:17 Page: 3
Co-ordinate(NE) Reference: Well #4H, Grnd North
Vertical (TVD) Reference: SITE 3572 0
Section (VS) Reference: Well (0 00N,0.00E,359.72Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

MD ft	TVD ft	
7542.07	7542.07	KOP
8447.55	8115.00	LP
13149.08	8070.00	PBHL

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

**Weatherford®****Weatherford Drilling Services**

GeoDec v5.03

Report Date: February 24, 2012
Job Number: _____
Customer: Devon Energy
Well Name: Shaqtus 26 State Com 4H
API Number: _____
Rig Name: _____
Location: Eddy Co., NM (NAD 83)
Block: _____
Engineer: KRN

US State Plane 1983	Geodetic Latitude / Longitude
System: New Mexico Eastern Zone	System: Latitude / Longitude
Projection: Transverse Mercator/Gauss Kruger	Projection: Geodetic Latitude and Longitude
Datum: North American Datum 1983	Datum: North American Datum 1983
Ellipsoid: GRS 1980	Ellipsoid: GRS 1980
North/South 524818.360 USFT	Latitude 32.4414036 DEG
East/West 723707.330 USFT	Longitude -103.7421758 DEG
Grid Convergence: .32°	
Total Correction: +7.23°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.44140° N	32° 26 min 29.053 sec
Longitude =	103.74218° W	103° 44 min 31.833 sec

Magnetic Declination =	7.55°	[True North Offset]	
Local Gravity =	.9988 g	Checksum =	6538
Local Field Strength =	48642 nT	Magnetic Vector X =	23867 nT
Magnetic Dip =	60.33°	Magnetic Vector Y =	3163 nT
Magnetic Model =	IGRF-2010g11	Magnetic Vector Z =	42266 nT
Spud Date =	Jul 15, 2012	Magnetic Vector H =	24076 nT

Signed: _____

Date: _____

```
##                                     #      ###
#                                     #      #
# ###      #####      ## ###      ## ##      #####      #####      #      #
##      #      #      #      ##      ##      #      #      #      #      #
#      #      #####      #      #      #      #####      #      #
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##      #      #      ##      #      #      #      #      #      #      #
## #####      ### ## #####      ### ##      #####      #      #####
                                     #
                                     #####
```

Job : 9
Date: 3/2/2012
Time: 3:32:14 PM

25S 31E

22

23

24

27

26

25

Estimated distance to
nearest wellbore 1300 ft W

1 MILE

BHL

FED 1

WOLF AJA FED 7
BONNEVILLE AKK FED 2

WOLF AJA FED 5

WOLF AJA FED 4

MR 25 FED 1

1 MILE

SHAQTUS 26 ST COM 4H

SHAQTUS 26 ST COM 3H

LOST TANK 35 ST 13

Estimated distance to
nearest wellbore 440 ft SE

MARY AIV ST 3

MARY AIV ST 5

LUKE FED 2

LUKE FED WD-1

LOST TANK AIS ST 7

LOST TANK AIS ST 6

LOST TANK AIS ST 4

LOST TANK AIS ST 1

LOST TANK AIS ST 10

LOST TANK AIS ST 5

LOST TANK AIS ST 2

LOST TANK AIS ST 3

LOST TANK AIS ST 8

BW 31 FED 1

UNOCAL AHU FED 1

UNOCAL AHU FED 2

FEDERAL 6 1

MOLLY STATE 3

MOLLY STATE 1

Estimated distances to nearest wells:

Lost Tank 35 State 13	440 ft SE
Lost Tank 35 State 14	980 ft W
MR 25 Federal 1	5150 ft E
Shaqtus 26 State Com 3H	1300 ft W

ROSEMARY AJB FED 1

2

devon

Devon Energy

PB_AS

1-Mile Radius Map
Shaqtus 26 State Com 4H

0 2,073
FEET

POSTED WELL DATA

Well Label

WELL SYMBOLS

- Oil Well
- Dry Hole
- Location Only
- ⊗ Injection Well
- Plugged & Abandoned Oil Well

RECEIVED

MAR -7 2012

2District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

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 October 15, 2009

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code		³ Pool Name DELAWARE	
⁴ Property Code		⁵ Property Name SHAQTUS 26 STATE COM			⁶ Well Number 4H
⁷ OGRID No. 6137		⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.			⁹ Elevation 3546.4

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
A	35	21 S	31 E		330	NORTH	660	EAST	EDDY

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
A	26	21 S	31 E		330	NORTH	660	EAST	EDDY

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<p>NW CORNER SEC. 26 LAT. = 32.4568370°N LONG. = 103.7571414°W NMSP EAST (FT) N = 530407.84 E = 719060.11</p>		<p>NE CORNER SEC. 26 LAT. = 32.4568222°N LONG. = 103.7400165°W NMSP EAST (FT) N = 530431.40 E = 724342.30</p>
<p>SECTION CORNER LAT. = 32.4423165°N LONG. = 103.7571513°W NMSP EAST (FT) N = 525125.24 E = 719085.58</p>	<p>SHAQTUS 26 STATE COM 4H ELEV. = 3546.4 LAT. = 32.4414036°N (NAD83) LONG. = 103.7421758°W NMSP EAST (FT) N = 524818.36 E = 723707.33</p>	<p>SECTION CORNER LAT. = 32.4423097°N LONG. = 103.7400359°W NMSP EAST (FT) N = 525151.69 E = 724365.65</p>
<p>SW CORNER SEC. 35 LAT. = 32.4278020°N LONG. = 103.7571637°W NMSP EAST (FT) N = 519844.84 E = 719110.23</p>		<p>SE CORNER SEC. 35 LAT. = 32.4277958°N LONG. = 103.7400526°W NMSP EAST (FT) N = 519871.45 E = 724389.81</p>

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 undivided 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.

Judy Barnett 3/5/12
Signature Date

Printed Name
Judy A. Barnett Regulatory Specialist

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 17, 2011, MEXICO

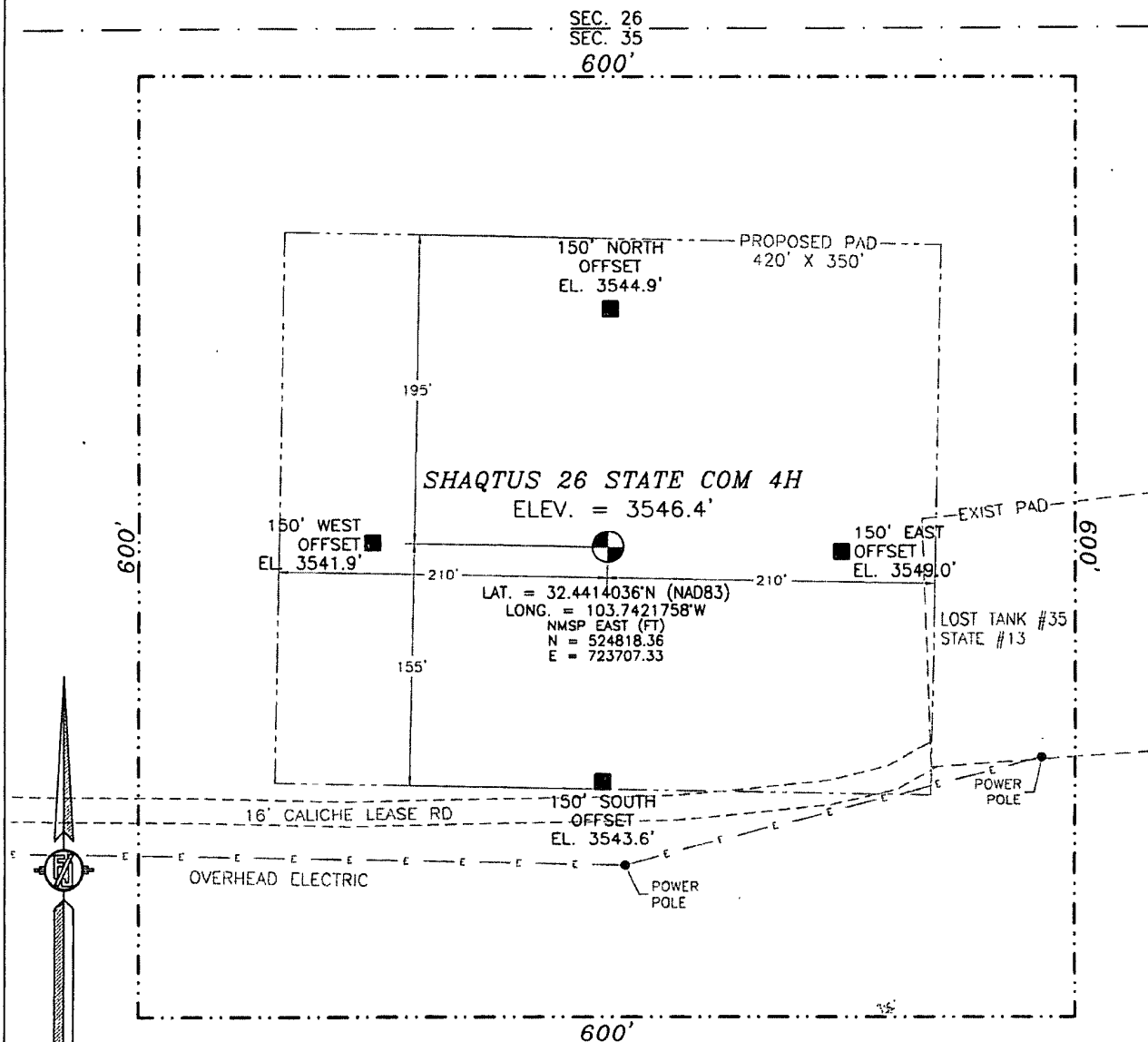
Date of Survey

Filimon P. Jaramillo
Signature and Seal of Professional Surveyor

Certificate Number FILIMON P. JARAMILLO, PLS 12797

SURVEY NO 746

SECTION 35, TOWNSHIP 21 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO



0 10 50 100 200

SCALE 1" = 100'
DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF U.S. 62/180 (HOBBS HWY.) AND LOUIS WHITLOCK ROAD TO WIPP SITE AT 0.85 MILES EAST OF MILE MARKER 64 ON U.S. 62/180 GO SOUTH ON LOUIS WHITLOCK ROAD 7.7 MILES TO A CALICHE LEASE RD ON LEFT (EAST) ABOUT 0.7 MILES SOUTH OF MILE MARKER 6 GO EAST ON CALICHE RD 1.35 MILES TO CALICHE ROAD ON LEFT (NORTH) GO ON CALICHE RD NORTH 1.0 MILES TO CALICHE ROAD ON RIGHT (EAST) GO EAST 0.45 MILES SITE IS ABOUT 150 FT LEFT (NORTH) OF YOU

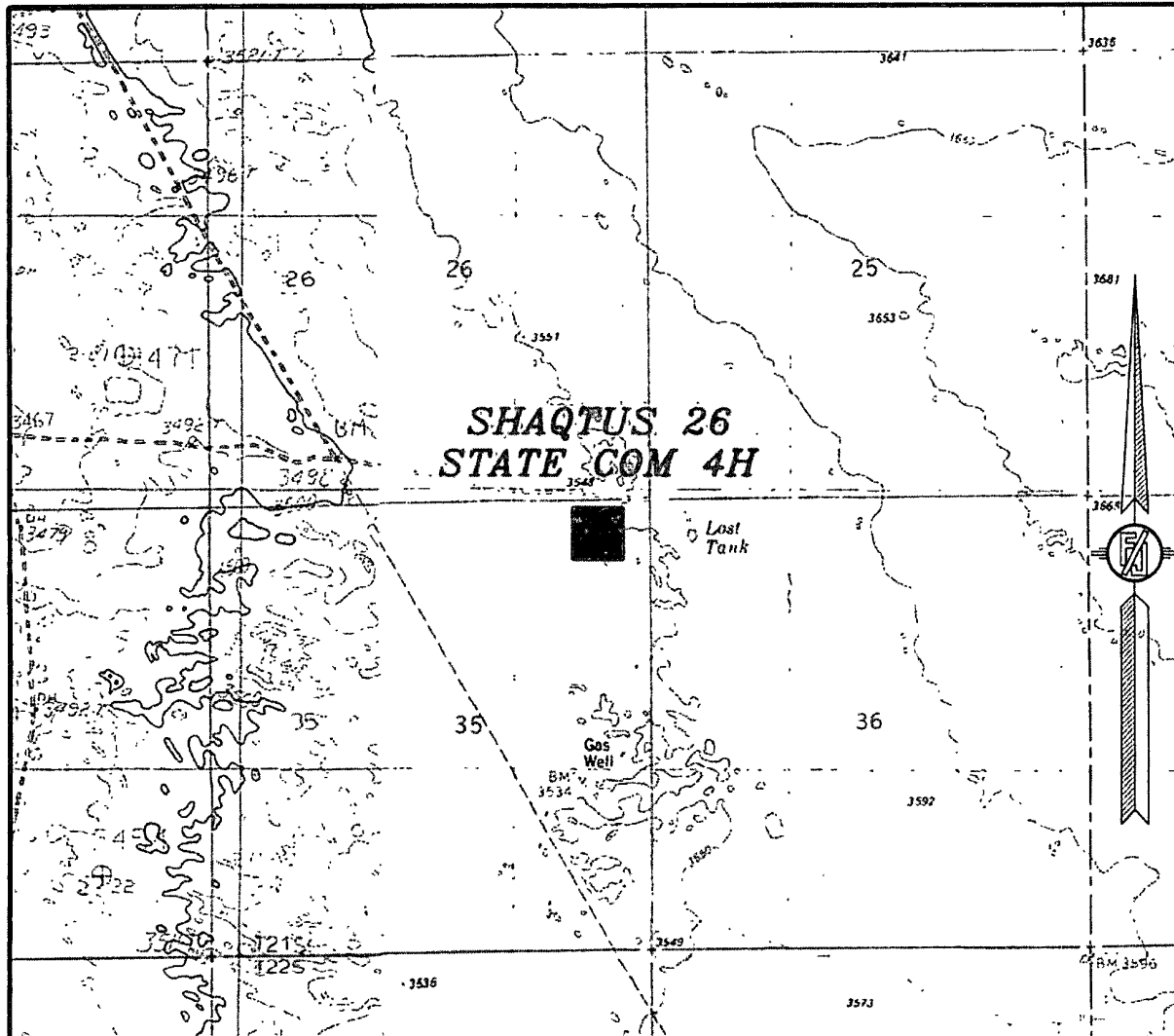
DEVON ENERGY PRODUCTION COMPANY, L.P.
SHAQTUS 26 STATE COM 4H
LOCATED 330 FT. FROM THE NORTH LINE
AND 660 FT. FROM THE EAST LINE OF
SECTION 35, TOWNSHIP 21 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

DECEMBER 17, 2011

SURVEY NO. 746

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 236-3341 CARLSBAD, NEW MEXICO

SECTION 35, TOWNSHIP 21 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



CONTOUR INTERVAL:
LIVINGSTON RIDGE

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.
SHAQTUS 26 STATE COM 4H

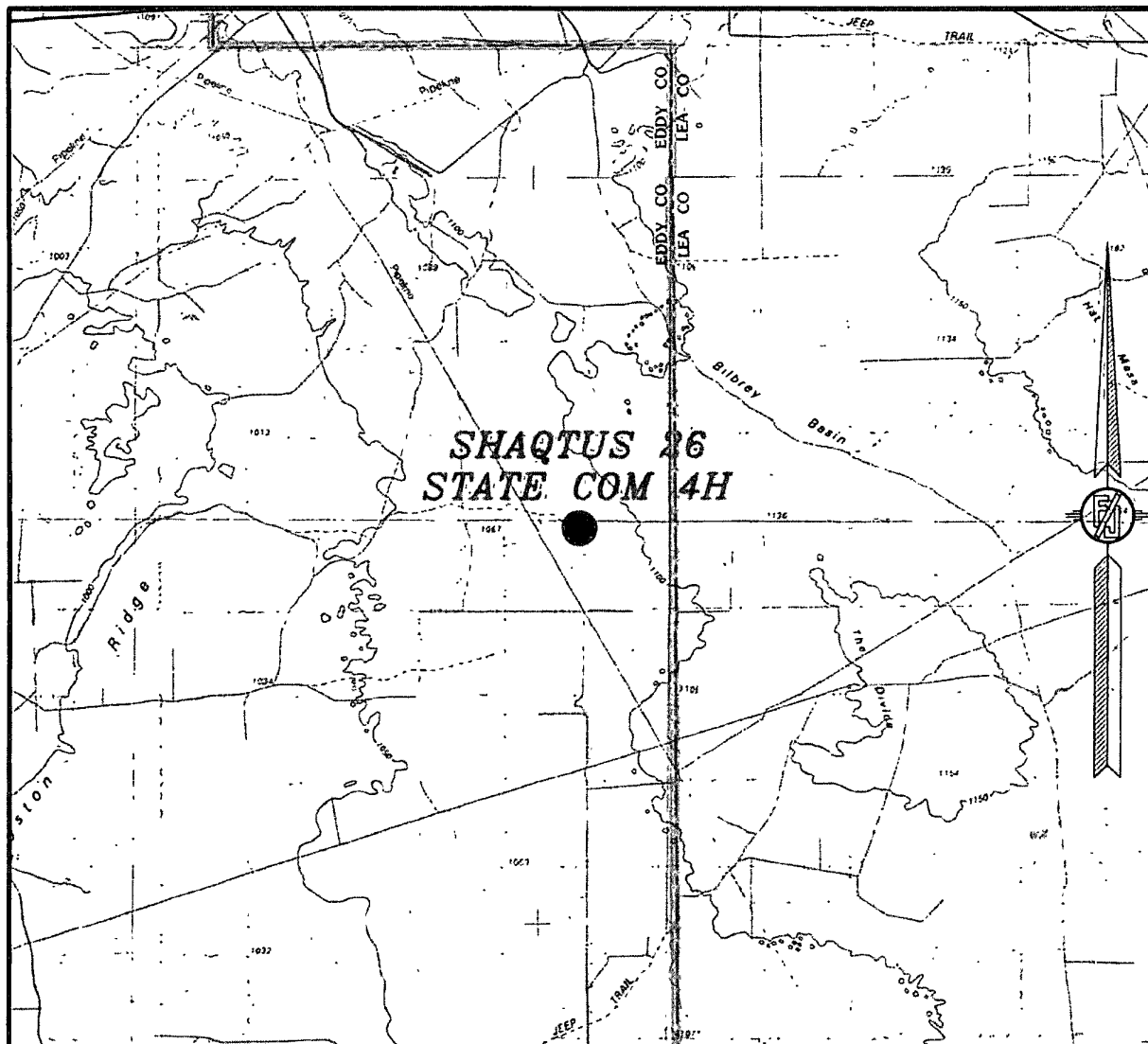
LOCATED 330 FT. FROM THE NORTH LINE
AND 660 FT. FROM THE EAST LINE OF
SECTION 35, TOWNSHIP 21 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

DECEMBER 17, 2011

SURVEY NO. 746

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 35, TOWNSHIP 21 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
VICINITY MAP



NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.
SHAQTUS 26 STATE COM 4H
LOCATED 330 FT. FROM THE NORTH LINE
AND 660 FT. FROM THE EAST LINE OF
SECTION 35, TOWNSHIP 21 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

DECEMBER 17, 2011

SURVEY NO. 746

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 234-3341

SECTION 35, TOWNSHIP 21 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
OCT, 2010

DEVON ENERGY PRODUCTION COMPANY, L.P.
SHAQTUS 26 STATE COM 4H

LOCATED 330 FT. FROM THE NORTH LINE
AND 660 FT. FROM THE EAST LINE OF
SECTION 35, TOWNSHIP 21 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

DECEMBER 17, 2011

SURVEY NO. 746

MADRON SURVEYING, INC. 501 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 234-3341