

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page **RECEIVED**1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

NOV 30 2009

2. Name of Operator
Energen Resources CorporationBureau of Land Management
Farmington Field Office3a. Address
2010 Afton Place, Farmington, NM 874013b. Phone No. (include area code)
(505) 325-6800

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2045 FNL, 645 FEL
Sec. 26, T32N, R06W

5. Lease Serial No.

SF 081181

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
San Juan 32-5 Unit

8. Well Name and No.

San Juan 32-5 Unit 107
NP

9. API Well No.

30-039-24328

10. Field and Pool, or Exploratory Area
Basin Fruitland Coal

11. County or Parish, State

Rio Arriba NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☒ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Energen Resources would like to re-complete the San Juan 32-5 Unit NP #107 as follows:

*Set a plug and whipstock at 2831' TVD and mill a window from 2819' - 2825'.

*Drill a curve and horizontal lateral to a MD of 5564' (3039' TVD) with a BHL of 100 FNL, 2400 FEL.

*Line the lateral with a perforated 4 1/2", 11.60 ppf, J-55 LTC liner string from 2821' MD - 5564' MD

*A 2-3/8" tubing string will be landed at 3036' TVD in the 7" casing.

Attached is a revised C-102 and directional plan depicting this recompletion.

RCVD DEC 8 '09

OIL CONS. DIV.

NOTIFY AZTEC OCD 24 HRS.

PRIOR TO CASING & CEMENT

SEE ATTACHED FOR
CONDITIONS OF APPROVALDIST. 3
Hold C104
for Directional Survey
and "As Drilled" plat14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Jason Kincaid

Title Drilling Engineer

Signature

Date 11/30/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

District 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 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-24328	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code 22045	⁵ Property Name SAN JUAN 32-5 UNIT NP	
⁷ OGRID No. 162928	⁸ Operator Name ENERGEN RESOURCES CORPORATION	⁶ Well Number 107
		⁹ Elevation 6353'

¹⁰ Surface Location

UL or lot no. H	Section 26	Township 32N	Range 6W	Lot Idn	Feet from the 2045	North/South line NORTH	Feet from the 645	East/West line EAST	County RIO ARriba
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. B	Section 26	Township 32N	Range 6W	Lot Idn	Feet from the 100'	North/South line NORTH	Feet from the 2400	East/West line EAST	County RIO ARriba
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¹² Dedicated Acres 320 E/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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: 11/25/2009 Printed Name: JASON KINCAID
	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. JUNE 2, 1988 Date of Survey Original Survey Conducted and Recorded By: R. Howard Daggett
	9679 Certificate Number



Energen Resources Corp.

SJBR: Sec.26-T32N-R06W

Eul Canyon

San Juan 32-5 Unit NP #107

Re-Entry Sidetrack OPE FTC

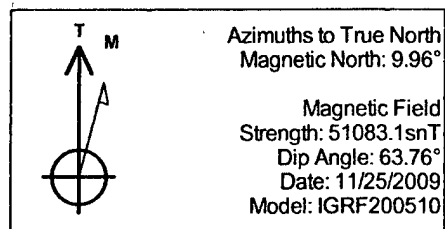
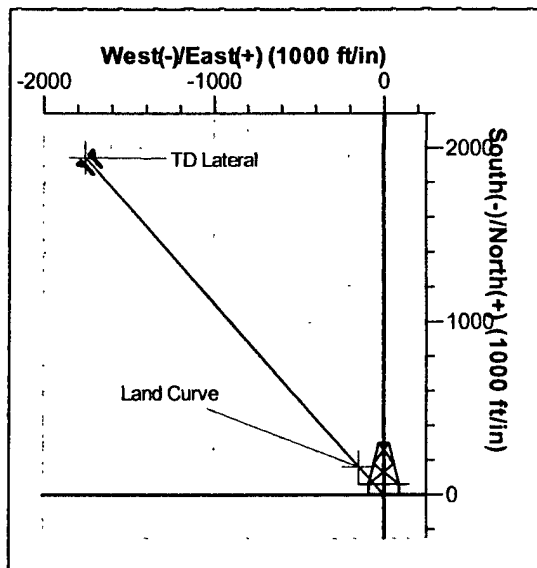
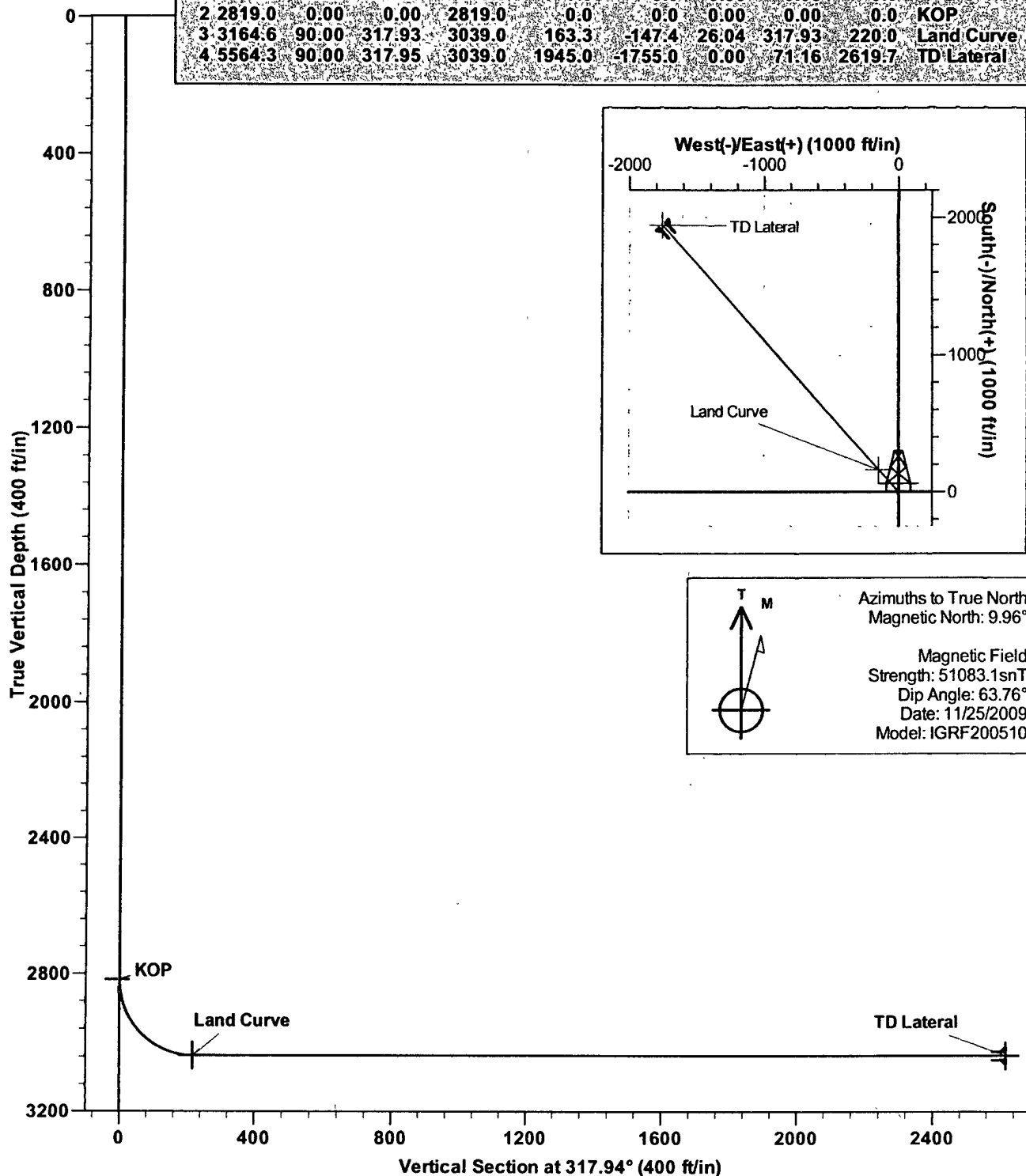
Plan: Plan #1

Directional Plan

25 November, 2009

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2819.0	0.00	0.00	2819.0	0.0	0.0	0.00	0.00	0.0	KOP
3	3164.6	90.00	317.93	3039.0	163.3	-147.4	26.04	317.93	220.0	Land Curve
4	5564.3	90.00	317.95	3039.0	1945.0	-1755.0	0.00	71.16	2619.7	TD Lateral



Company: Energen Resources Corp.
Project: SJBR: Sec.26-T32N-R06W
Site: Eul Canyon
Well: San Juan 32-5 Unit NP #107
Wellbore: Re-Entry Sidetrack OPE FTC
Design: Plan #1

Local Co-ordinate Reference: Well San Juan 32-5 Unit NP #107
TVD Reference: KB @ 6368.0ft (Drilling Rig)
MD Reference: KB @ 6368.0ft (Drilling Rig)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Project	SJBR: Sec.26-T32N-R06W		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Central Zone		

Site	Eul Canyon		
Site Position:		Northing:	2,167,215.12 ft
From:	Lat/Long	Easting:	1,293,422.58 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	36° 56' 59.604 N
		Longitude:	107° 26' 15.072 W
		Grid Convergence:	-0.71 °

Well	San Juan 32-5 Unit NP #107		
Well Position	+N-S	0.0 ft	Northing: 2,167,215.12 ft
	+E-W	0.0 ft	Easting: 1,293,422.58 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	6,353.0 ft
		Ground Level:	6,353.0 ft

Wellbore	Re-Entry Sidetrack OPE FTC				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF200510	11/25/2009	(°) 9.96	(°) 63.76	(nT) 51,083

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	317.94

Survey Tool Program	Date 11/25/2009			
From	To	Survey (Wellbore)	Tool Name	Description
(ft)	(ft)			
0.0	5,564.3	Plan #1 (Re-Entry Sidetrack OPE FTC)	MWD	MWD - Standard

Planned Survey							
MD	TVD	Inc	Azi	Build	N/S	E/W	V. Sec
(ft)	(ft)	(°)	(°)	(°/100ft)	(ft)	(ft)	(ft)
0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
100.0	100.0	0.00	0.00	0.00	0.0	0.0	0.0
200.0	200.0	0.00	0.00	0.00	0.0	0.0	0.0
300.0	300.0	0.00	0.00	0.00	0.0	0.0	0.0
400.0	400.0	0.00	0.00	0.00	0.0	0.0	0.0
500.0	500.0	0.00	0.00	0.00	0.0	0.0	0.0
600.0	600.0	0.00	0.00	0.00	0.0	0.0	0.0
700.0	700.0	0.00	0.00	0.00	0.0	0.0	0.0
800.0	800.0	0.00	0.00	0.00	0.0	0.0	0.0
900.0	900.0	0.00	0.00	0.00	0.0	0.0	0.0
1,000.0	1,000.0	0.00	0.00	0.00	0.0	0.0	0.0
1,100.0	1,100.0	0.00	0.00	0.00	0.0	0.0	0.0

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North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Planned Survey

MD (ft)	TVD (ft)	Inc (°)	Azi (°)	Build (°/100ft)	N/S (ft)	E/W (ft)	V. Sec (ft)
1,200.0	1,200.0	0.00	0.00	0.00	0.0	0.0	0.0
1,300.0	1,300.0	0.00	0.00	0.00	0.0	0.0	0.0
1,400.0	1,400.0	0.00	0.00	0.00	0.0	0.0	0.0
1,500.0	1,500.0	0.00	0.00	0.00	0.0	0.0	0.0
1,600.0	1,600.0	0.00	0.00	0.00	0.0	0.0	0.0
1,700.0	1,700.0	0.00	0.00	0.00	0.0	0.0	0.0
1,800.0	1,800.0	0.00	0.00	0.00	0.0	0.0	0.0
1,900.0	1,900.0	0.00	0.00	0.00	0.0	0.0	0.0
2,000.0	2,000.0	0.00	0.00	0.00	0.0	0.0	0.0
2,100.0	2,100.0	0.00	0.00	0.00	0.0	0.0	0.0
2,200.0	2,200.0	0.00	0.00	0.00	0.0	0.0	0.0
2,300.0	2,300.0	0.00	0.00	0.00	0.0	0.0	0.0
2,400.0	2,400.0	0.00	0.00	0.00	0.0	0.0	0.0
2,500.0	2,500.0	0.00	0.00	0.00	0.0	0.0	0.0
2,600.0	2,600.0	0.00	0.00	0.00	0.0	0.0	0.0
2,700.0	2,700.0	0.00	0.00	0.00	0.0	0.0	0.0
2,800.0	2,800.0	0.00	0.00	0.00	0.0	0.0	0.0
2,819.0	2,819.0	0.00	0.00	0.00	0.0	0.0	0.0
KOP							
2,820.0	2,820.0	0.26	317.93	26.04	0.0	0.0	0.0
2,840.0	2,840.0	5.47	317.93	26.04	0.7	-0.7	1.0
2,860.0	2,859.8	10.68	317.93	26.04	2.8	-2.6	3.8
2,880.0	2,879.2	15.89	317.93	26.04	6.2	-5.6	8.4
2,900.0	2,898.2	21.10	317.93	26.04	10.9	-9.9	14.7
2,920.0	2,916.5	26.30	317.93	26.04	16.9	-15.3	22.8
2,940.0	2,934.0	31.51	317.93	26.04	24.1	-21.7	32.4
2,960.0	2,950.5	36.72	317.93	26.04	32.4	-29.3	43.7
2,980.0	2,966.0	41.93	317.93	26.04	41.8	-37.7	56.3
3,000.0	2,980.3	47.14	317.93	26.04	52.2	-47.1	70.4
3,020.0	2,993.2	52.35	317.93	26.04	63.5	-57.4	85.6
3,040.0	3,004.7	57.56	317.93	26.04	75.7	-68.3	102.0
3,060.0	3,014.6	62.76	317.93	26.04	88.6	-79.9	119.3
3,080.0	3,022.9	67.97	317.93	26.04	102.1	-92.1	137.5
3,100.0	3,029.6	73.18	317.93	26.04	116.1	-104.8	156.3
3,120.0	3,034.5	78.39	317.93	26.04	130.4	-117.7	175.7
3,140.0	3,037.6	83.60	317.93	26.04	145.1	-131.0	195.5
3,160.0	3,039.0	88.81	317.93	26.04	159.9	-144.3	215.4
3,164.6	3,039.0	90.00	317.93	26.04	163.3	-147.4	220.0
Land Curve							
3,200.0	3,039.0	90.00	317.93	0.00	189.6	-171.1	255.4
3,300.0	3,039.0	90.00	317.93	0.00	263.8	-238.1	355.4
3,400.0	3,039.0	90.00	317.93	0.00	338.1	-305.2	455.4
3,500.0	3,039.0	90.00	317.93	0.00	412.3	-372.2	555.4
3,600.0	3,039.0	90.00	317.93	0.00	486.5	-439.2	655.4
3,700.0	3,039.0	90.00	317.93	0.00	560.8	-506.2	755.4

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Design: Plan #1

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TVD Reference: KB @ 6368.0ft (Drilling Rig)
MD Reference: KB @ 6368.0ft (Drilling Rig)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Planned Survey

MD (ft)	TVD (ft)	Inc (°)	Azi (°)	Build (°/100ft)	N/S (ft)	E/W (ft)	V. Sec (ft)
3,800.0	3,039.0	90.00	317.94	0.00	635.0	-573.1	855.4
3,900.0	3,039.0	90.00	317.94	0.00	709.3	-640.1	955.4
4,000.0	3,039.0	90.00	317.94	0.00	783.5	-707.1	1,055.4
4,100.0	3,039.0	90.00	317.94	0.00	857.7	-774.1	1,155.4
4,200.0	3,039.0	90.00	317.94	0.00	932.0	-841.1	1,255.4
4,300.0	3,039.0	90.00	317.94	0.00	1,006.2	-908.1	1,355.4
4,400.0	3,039.0	90.00	317.94	0.00	1,080.5	-975.1	1,455.4
4,500.0	3,039.0	90.00	317.94	0.00	1,154.7	-1,042.1	1,555.4
4,600.0	3,039.0	90.00	317.94	0.00	1,229.0	-1,109.1	1,655.4
4,700.0	3,039.0	90.00	317.94	0.00	1,303.2	-1,176.1	1,755.4
4,800.0	3,039.0	90.00	317.94	0.00	1,377.5	-1,243.1	1,855.4
4,900.0	3,039.0	90.00	317.95	0.00	1,451.7	-1,310.0	1,955.4
5,000.0	3,039.0	90.00	317.95	0.00	1,526.0	-1,377.0	2,055.4
5,100.0	3,039.0	90.00	317.95	0.00	1,600.2	-1,444.0	2,155.4
5,200.0	3,039.0	90.00	317.95	0.00	1,674.5	-1,511.0	2,255.4
5,300.0	3,039.0	90.00	317.95	0.00	1,748.7	-1,578.0	2,355.4
5,400.0	3,039.0	90.00	317.95	0.00	1,823.0	-1,644.9	2,455.4
5,500.0	3,039.0	90.00	317.95	0.00	1,897.2	-1,711.9	2,555.4
5,564.3	3,039.0	90.00	317.95	0.00	1,945.0	-1,755.0	2,619.7

TD Lateral
Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
TD Lateral - plan hits target - Point	0.00	0.00	3,039.0	1,945.0	-1,755.0	2,169,181.83	1,291,691.96	36° 57' 18.834 N	107° 26' 36.693 W
Land Curve - plan hits target - Point	0.00	0.00	3,039.0	163.3	-147.4	2,167,380.24	1,293,277.23	36° 57' 1.219 N	107° 26' 16.888 W
KOP - plan hits target - Point	0.00	0.00	2,819.0	0.0	0.0	2,167,215.12	1,293,422.58	36° 56' 59.604 N	107° 26' 15.072 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
5,564.0	3,039.0	Liner	4-1/2	6-1/4

Checked By: _____ Approved By: _____ Date: _____