

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM 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.
Bureau of Land Management
Farmington Field Office

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other		5. Lease Serial No. SF 077764
2. Name of Operator Energen Resources Corporation		6. If Indian, Allottee or Tribe Name
3a. Address 2010 Afton Place, Farmington, NM 87401	3b. Phone No. (include area code) (505) 325-6800	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SHL: 1372' FNL, 680' FEL Sec.17 T30N, R10W BHL: 1700' FNL, 1850' FWL Sec.17, T30N, R10W		8. Well Name and No. Schumacher 12E
		9. API Well No. 30-045-34874
		10. Field and Pool, or Exploratory Area Basin Dakota
		11. County or Parish, State San Juan 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 recompleat 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 recompleat 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 make the following changes to the Schumacher #12E:

-Change the TD depth to 7740' TVD, 8456' MD. From 7650' TVD, 8364' TMD

-Attached is a revised directional plan.

- BHL will remain the same

- KOP will remain the same - 500'

RCVD MAR 15 '09
OIL CONS. DIV.
DIST. 3

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

Hold C104
for Directional Survey
and "As Drilled" plat

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Jason Kincaid		Title Drilling Engineer
Signature 		Date 3/6/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Troy L Salyers	Title Petroleum Engineer	Date 3/12/2009
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 FFO		

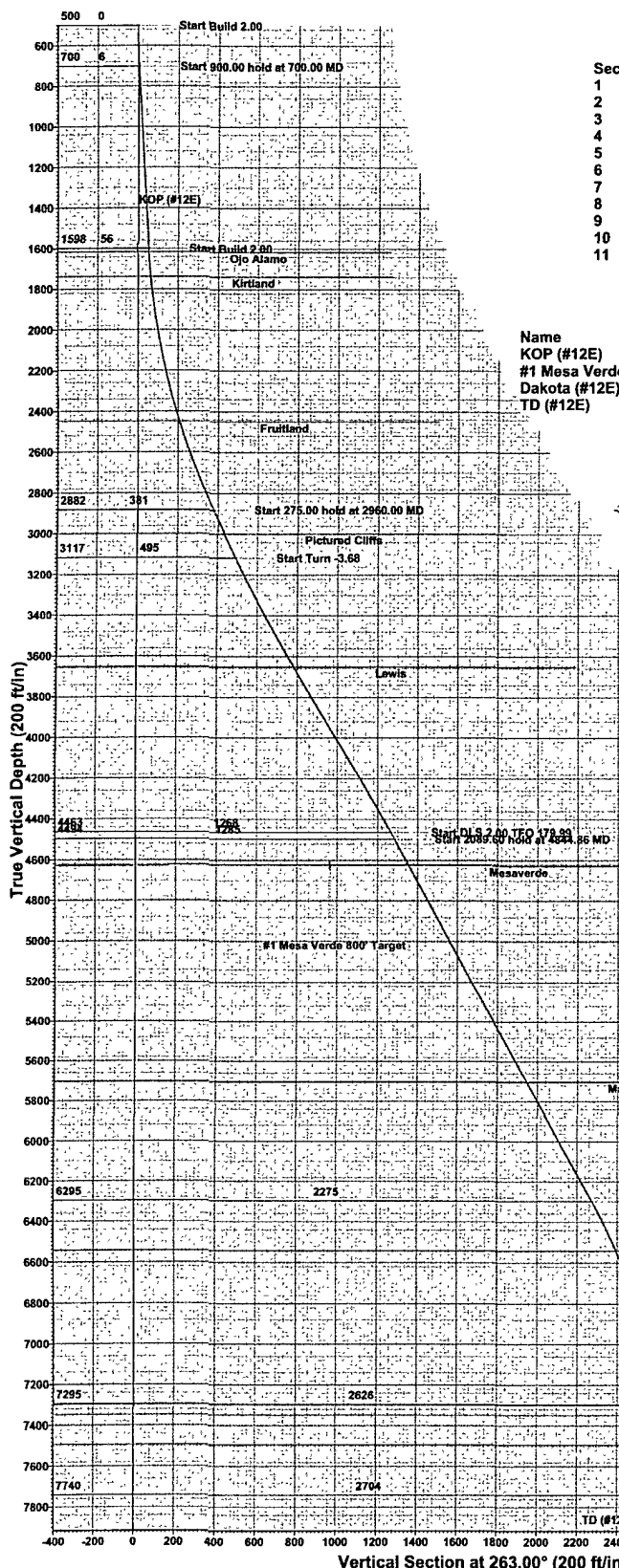
Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD 46

WELL DETAILS: Schumacher #12E

Ground Elevation:: 6466.00
RKB Elevation: WELL @ 6480.00ft (Est. Rig RKB)
Rig Name: Est. Rig RKB

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	2120299.67	1157219.92	36° 48' 55.80003 N	107° 54' 2.59196 W	

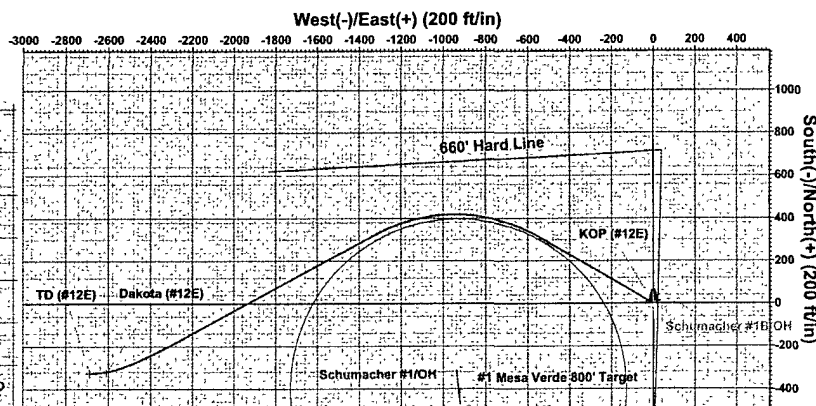


SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	
3	700.00	4.00	300.00	699.84	3.49	-6.04	2.00	300.00	5.57	
4	1600.00	4.00	300.00	1597.65	34.88	-60.41	0.00	0.00	55.71	
5	2960.00	31.20	300.00	2881.85	238.57	-413.21	2.00	0.00	381.05	
6	3235.00	31.20	300.00	3117.07	309.79	-536.58	0.00	0.00	494.83	
7	4808.10	31.20	242.11	4462.64	324.17	-1317.13	1.91	-90.00	1267.81	
8	4844.86	30.46	242.11	4494.20	315.36	-1333.78	2.00	179.99	1285.41	
9	6934.46	30.46	242.11	6295.32	-180.22	-2270.18	0.00	0.00	2275.22	
10	8004.47	9.99	263.03	7295.00	-320.01	-2606.00	2.00	170.22	2625.58	Dakota (#12E)
11	8456.33	9.99	263.03	7740.00	-329.53	-2683.84	0.00	0.00	2704.00	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
KOP (#12E)	1600.00	0.00	0.00	2120299.67	1157219.92	Point
#1 Mesa Verde 800' Target	4628.00	-402.46	-925.46	2119913.25	1156287.65	Circle (Radius: 800.00)
Dakota (#12E)	7295.00	-320.01	-2606.00	2120024.71	1154608.78	Point
TD (#12E)	7740.00	-329.53	-2683.84	2120016.53	1154530.79	Point



Note: All lease lines and hard lines are estimates only and are subject to customers approval.

PROJECT DETAILS: Central Basin - S17, T30N, R10W
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Central Zone

System Datum: Mean Sea Level
Local North: True



Azimuths to True North
Magnetic North: 10.23°

Magnetic Field
Strength: 51016.7nT
Dip Angle: 63.57°
Date: 2/13/2009
Model: IGRF200510

Plan: Plan #3 (Schumacher #12E/OH - S Shape Dakota)
Created By: John Walker Date: 18:08, March 04 2009

Company: Energen Resources
Project: Central Basin - S17, T30N, R10W
Site: Central Basin
Well: Schumacher #12E
Wellbore: OH - S Shape Dakota
Design: Plan #3

Local Co-ordinate Reference: Well Schumacher #12E
TVD Reference: WELL @ 6480.00ft (Est. Rig RKB)
MD Reference: WELL @ 6480.00ft (Est. Rig RKB)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: 200316 NWDB

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
Dakota (#12E) - plan hits target - Point	0.00	0.00	7,295.00	-320.01	-2,606.00	2,120,024.71	1,154,608.78	36° 48' 52.63525 N 07° 54' 34.63416 W	
KOP (#12E) - plan misses by 69.75ft at 1597.48ft MD (1595.13 TVD, 34.79 N, -60.26 E) - Point	0.00	0.00	1,600.00	0.00	0.00	2,120,299.67	1,157,219.92	36° 48' 55.80003 N 107° 54' 2.59196 W	
TD (#12E) - plan hits target - Point	0.00	0.00	7,740.00	-329.53	-2,683.84	2,120,016.53	1,154,530.79	36° 48' 52.54104 N 07° 54' 35.59120 W	
#1 Mesa Verde 800' T - plan misses by 830.28ft at 4947.44ft MD (4582.63 TVD, 291.03 N, -1379.75 E) - Circle (radius 800.00)	0.00	0.00	4,628.00	-402.46	-925.46	2,119,913.25	1,156,287.65	36° 48' 51.82114 N 07° 54' 13.97095 W	

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
6,249.59	5,705.00	Mancos		0.00	
5,000.08	4,628.00	Mesaverde		0.00	
8,059.31	7,349.00	Graneros		0.00	
8,004.47	7,295.00	Greenhorn		0.00	
8,204.51	7,492.00	Dakota		0.00	
3,861.55	3,653.00	Lewis		0.00	
3,098.13	3,000.00	Pictured Cliffs		0.00	
1,741.00	1,738.00	Kirtland		0.00	
7,215.44	6,544.00	Gallup		0.00	
2,476.34	2,449.00	Fruitland		0.00	
1,619.41	1,617.00	Ojo Alamo		0.00	

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
4,851.58	4,500.00	313.76	-1,336.80	marker

Checked By: _____ Approved By: _____ Date: _____