

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

SEP 23 2009

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.**

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

MURCHISON OIL & GAS, INC.

3a. Address

1100 MIRA VISTA BLVD  
PLANO, TX 75093-4698

3b. Phone No (include area code)

972-931-0700

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

SEC. 25, T16S, R27E SHL: 2840' FNL & 150' FEL, UNIT H  
BHL: 1980' FNL & 330' FWL, UNIT E

5. Lease Serial No.

NM NM103598

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit of CA/Agreement, Name and/or No.

N/A

8. Well Name and No.

CARBON VALLEY 25 FED COM #4-H

9. API Well No.

30-015-37250

10. Field and Pool or Exploratory Area

WOLFCAMP

11. Country or Parish, State

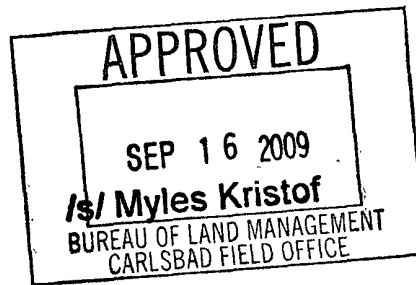
EDDY CO., NM.

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Murchison Oil & Gas, Inc. request permission to make a change to our original drilling plan due to geologic reasons. Per the attached new plan, we request to cross the south hard line approximately 200 feet further west. The Wolfcamp Formation will not be penetrated until we cross the south hard line.



14 I hereby certify that the foregoing is true and correct Name (Printed/Typed)

A. Arnold Nall

Title VP Operations

Signature

*A. Arnold Nall*

Date 09/09/2009

**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

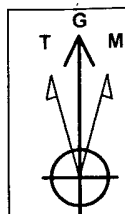
Office

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make 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

(Instructions on page 2)

# Murchison Oil & Gas

Project: Eddy County  
Site: Carbon Valley '25' Fed Com  
Well: #4H  
Wellbore: Original Hole  
Plan: Plan #4 (#4H/Original Hole)



Azimuths to Grid North  
True North: -0.06°  
Magnetic North: 8.10°  
  
Magnetic Field  
Strength: 49172.9snT  
Dip Angle: 60.76°  
Date: 06/18/2009  
Model: IGRF200510

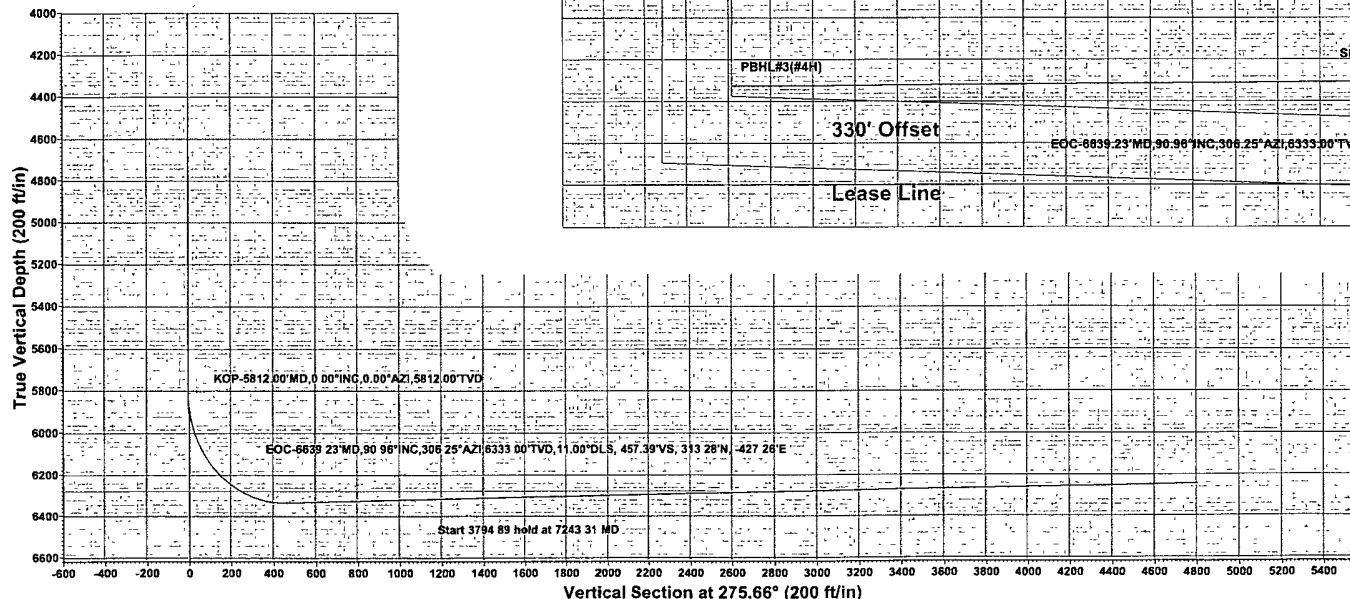
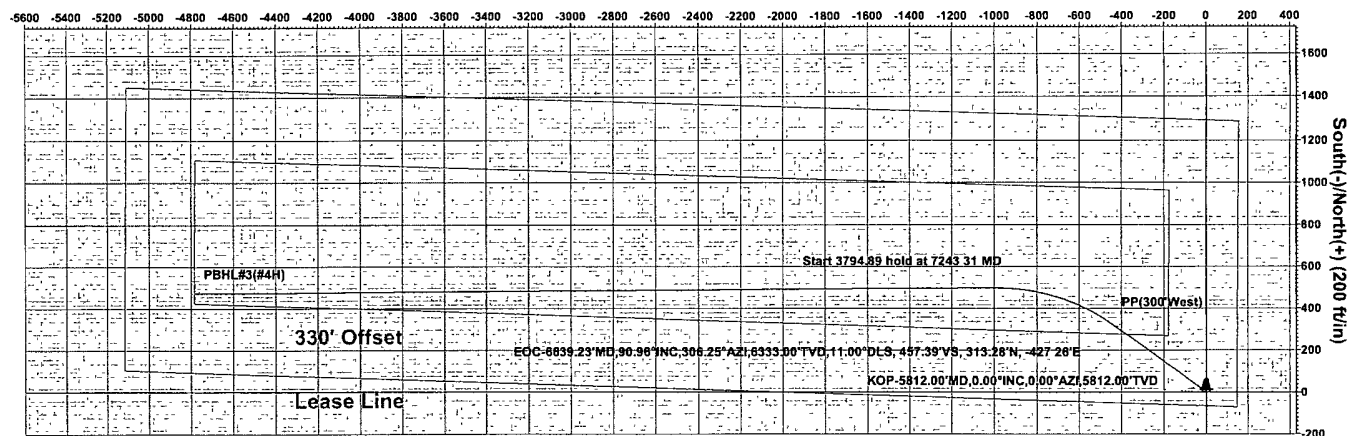
# PATHFINDER

WELL DETAILS #4H						
Ground Elevation: 3505.00						
RKB Elevation: WELL1 @ 3523.00ft (18' KB Correction)						
Rig Name: 18' KB Correction						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	686624.502	574796.208	32° 53' 34.798 N	104° 13' 27.581 W	

SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec Target
1	5812.00	0.00	0.00	5812.00	0.00	0.00	0.00	0.00	0.00
2	6640.92	91.14	306.25	6333.00	314.26	-428.60	11.00	306.25	457.50
3	7251.29	91.14	269.62	6320.43	489.90	-399.36	8.00	-89.52	1043.59
4	11034.58	91.14	269.62	6245.16	473.91	-4781.81	0.00	0.00	4805.24 PBHL#3(#4H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	6245.00	803.70	-4780.20	689428.205	570016.009	Point
PBHL#3(#4H)	6245.00	474.00	-4781.80	689098.502	570014.408	Point
PP(#3H)	6280.00	319.20	-229.80	688943.702	574566.408	Point
PP(300'West)	6333.00	313.28	-427.26	688937.782	574368.948	Point
PBHL #2	6410.00	533.70	-4780.20	689428.205	570016.009	Point

West(-)/East(+) (200 ft/in)



PROJECT DETAILS: Eddy County  
Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: New Mexico Eastern Zone  
System Datum: Mean Sea Level  
Local North: Grid

Plan: Plan #4 (#4H/Original Hole)  
Created By: Nate Blingham Date: 11:42, August 28 2009