

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD FEB 24 '09

OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA SF-078096 Unit Reporting Number 6. If Indian, All. or Tribe	
1b. Type of Well GAS	7. Unit Agreement Name Mudge B	
2. Operator ConocoPhillips	8. Farm or Lease Name	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	9. Well Number #100S	
4. Location of Well Unit I (NESE), 1333' FSL & 670' FEL, Latitude 36.88091 N Longitude 107.98980 W	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 21, T31N, R11W API # 30-045-34876	
14. Distance in Miles from Nearest Town 6 miles/Aztec	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 670'	17. Acres Assigned to Well 302.99 (S/2)	
16. Acres in Lease 2512	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 683' from Mudge B 1A PC/MV	22. Approx. Date Work will Start	
19. Proposed Depth 2673'	BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS	
21. Elevations (DF, FT, GR, Etc.) 5872' GL	12/11/08 Date	
23. Proposed Casing and Cementing Program See Operations Plan attached	Date	
24. Authorized by: Rhonda Rogers (Regulatory Technician)	Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY: [Signature] TITLE AFM DATE 2/23/09

Archaeological Report attached
Threatened and Endangered Species Report attached
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3
Title 18 U.S.C. Section 1001, 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 presentations as to any matter within its jurisdiction.

Example Master Plan Type 2 Bond Numbers ES-0048 and ES-0085

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

MAR 09 2009

NMOCB

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

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

State of New Mexico
Energy, Minerals & Natural Resources Department

RECEIVED

Form C-102
Revised October 12, 2005

DEC 12 2008

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to Appropriate District Office
Bureau of Land Management
Farmington Field Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-348710	*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 37514	*Property Name MUDGE B	*Well Number 100 S
*OGRID No. 217817	*Operator Name CONOCOPHILLIPS COMPANY	*Elevation 5872'

10 Surface Location

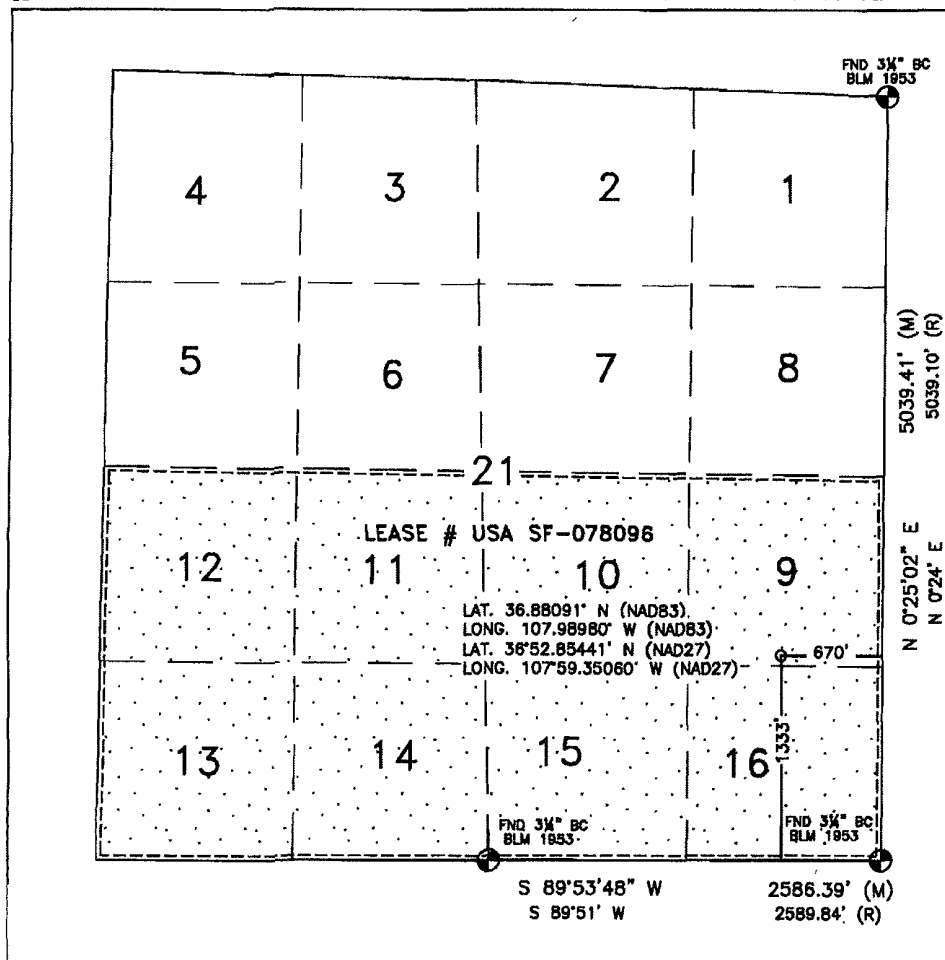
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	21	31N	11W	9	1333'	SOUTH	670'	EAST	SAN JUAN

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
I									
12 Dedicated Acres 302.99 Acres - (S/2)			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

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 or a compulsory pooling order heretofore entered by the division.

James Gardenhire 12/10/08
Signature Date

James Gardenhire
Printed Name

18 SURVEYOR CERTIFICATION

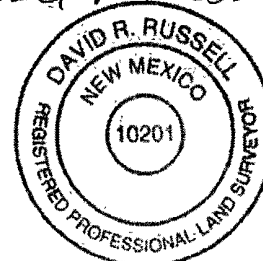
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JULY 29, 2008

Date of Survey

Signature and Seal of Professional Surveyor:

David R. Russell



DAVID RUSSELL

Certificate Number 10201

NMOCD

BURLINGTON RESOURCES

WAN.RFE.PD08.D1

MUDGE B # 100

DATE _____

6/27/2008

WELL NAME

WELL NAME

SEC

TNSHP

RANGE

LATITUDE

LONGITUDE

N 21

31 N

11 W

36.88017 N

107.99706 W

SAN JUAN

SIZE

NEEDED

EXISTING

1 PHASE

3 PHASE

30/12

X

2. *et*

X

X

0.08

8

200'

8

350'

1000

1000

100

COMMENTS

CITY OF FMN 1 PHASE PRIMARY 1100'

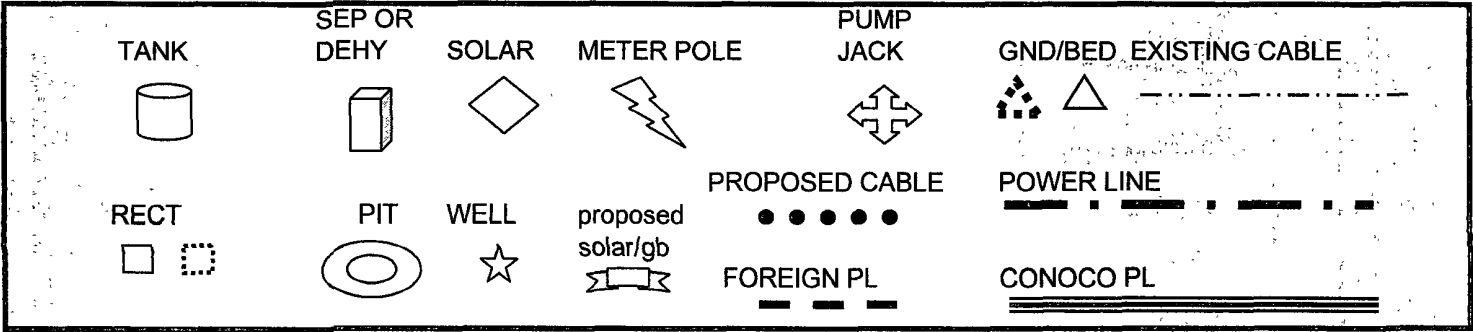
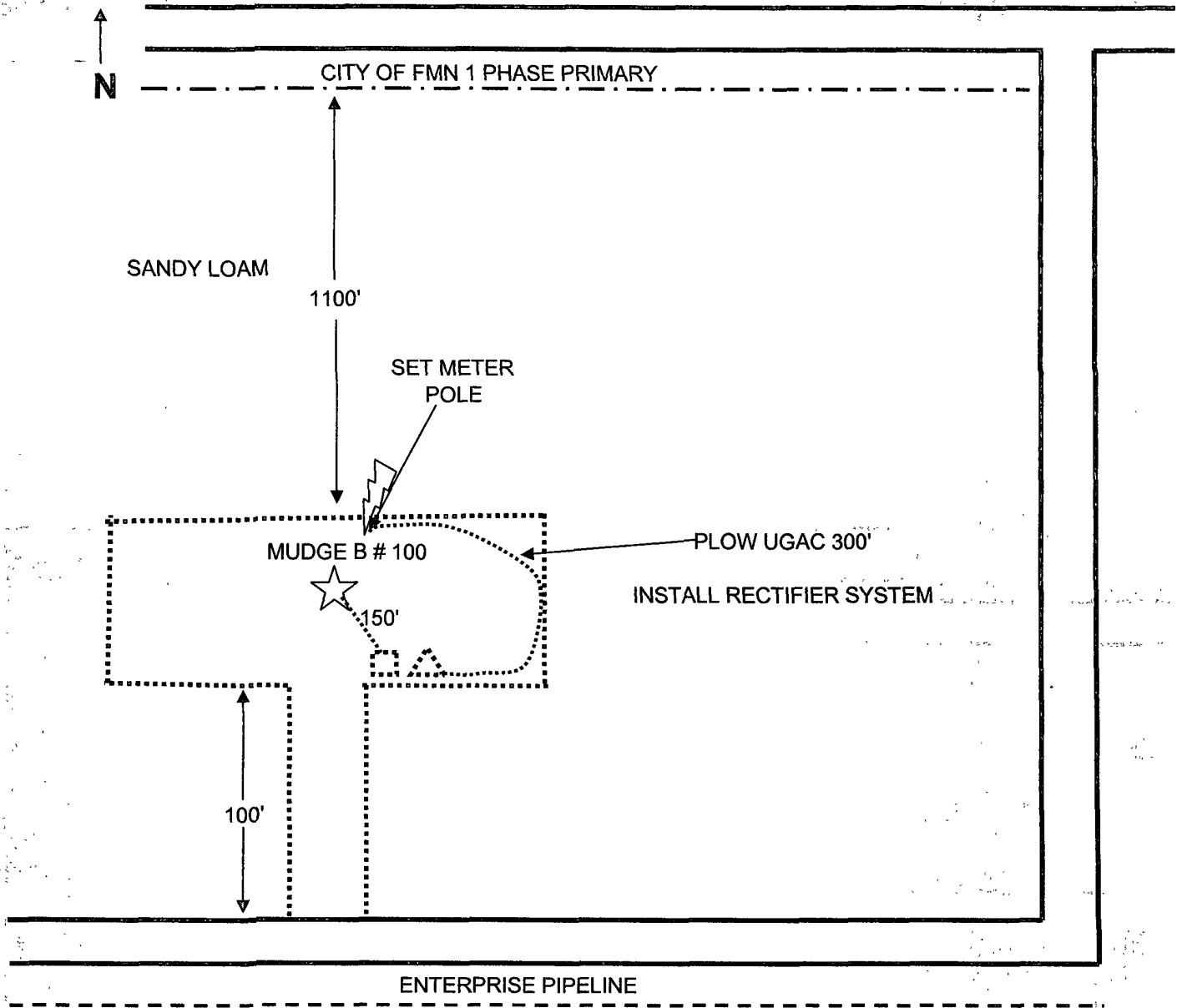
SANDY LOAM

PLOW UGAC 300'

INSTALL SINGLE WELL RECTIFIER SYSTEM

SET METER POLE need line extension

WELL NAME **MUDGE B # 100**



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

MUDGE B 100S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8142		AFE \$: 244,377.13	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 580		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist: Clark, Dave D		Phone: +1 505-326-9762		Prod. Engineer:	
Res. Engineer: Akwari, Bill N		Phone: +1 505-599-4076		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
JCV	BASIN FRUITLAND COAL (GAS)				

Location: Surface		Datum Code: NAD 27			
Latitude: 36.880907	Longitude: -107.989177	X:	Y:	Section: 21	Range: 011W
Footage X: 670 FEL	Footage Y: 1333 FSL	Elevation: 5872	(FT)	Township: 031N	
Tolerance:					

Location Type: Year Round		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 5883 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	120	5763	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.	
OJO ALAMO	820	5063	<input type="checkbox"/>				
KIRTLAND	911	4972	<input type="checkbox"/>				
FRUITLAND	2148	3735	<input type="checkbox"/>	375		Gas	
PICTURED CLIFFS	2473	3410	<input type="checkbox"/>			Gas	
Total Depth	2673	3210	<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 411 cuft. Circulate cement to surface.	

Reference Wells:		
Reference Type	Well Name	Comments
Production	Mudge 1A	SE21-31-11
Production	Aztec A1	SW22-31-11

Logging Program:	
Intermediate Logs:	<input type="checkbox"/> Log only if show <input type="checkbox"/> GR/ILD <input type="checkbox"/> Triple Combo

TD Logs:	<input type="checkbox"/> Triple Combo <input type="checkbox"/> Dipmeter <input type="checkbox"/> RFT <input type="checkbox"/> Sonic <input type="checkbox"/> VSP <input type="checkbox"/> TDT <input checked="" type="checkbox"/> Other
GR/CBL	

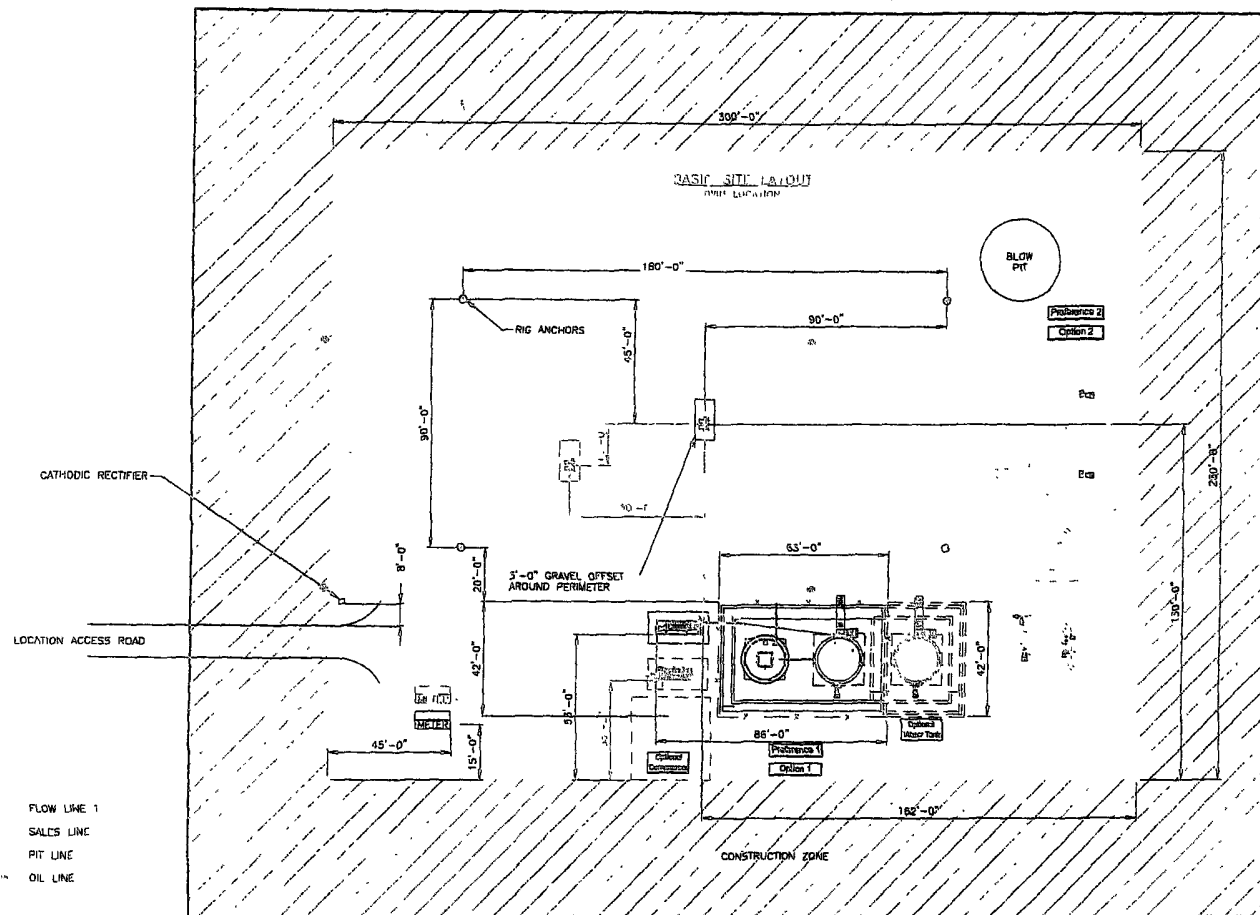
Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

Comments: Location/Tops/Logging - FCNM031N011W21SE1 Prefer P,O,I,J, stay 500 away from Mudge B 1A (PC completion), some topo issues. eap 4-28-08

Zones - FCNM031N011W21SE1

General/Work Description - 12/03/08-MPM: Still economic at \$4/Mcf gas.

IIPF



SEE SHEET 3 & 4 FOR PILING DETAILS
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

										ENGINEERING REVIEW		REFERENCE DRAWINGS		CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT					
										DISCIPLINE	REVIEWED	DATE	NO.	DESCRIPTION					
										PROCESS									
										MECHANICAL									
										Piping									
										ELECTRICAL									
										T & C									
										CIVIL/STRUCTURAL									
										PROJECT									
DESCRIPTION										DATE	BY	CHK'D	ENG	DEC	PRJ	SAN JUAN BUSINESS UNIT			
																CLIENT No.	CLIENT APPR.	APPR. DATE	
																DRAWN BY	SEALD DATE	CREATION DATE 6/20/07	
																	0.00c Rev	HP3PHASE-REV1	SHEET No. 1 OF 5

HP-002 Site/Process/Location/Viscosity/Flow Location Site Layout.dwg 06/20/2007 - 08392m

CONOCOPHILLIPS COMPANY

MUDGE B #100 S
1333' FSL & 670' FEL
LOCATED IN THE NE/4 SE/4 OF SECTION 21,
T31N, R11W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM INTERSECTION OF HWY 516 & HWY 574 IN AZTEC, NM., GO NORTH ON HWY 574 FOR 1.95 MILES.
- 2) TURN RIGHT & GO 2.9 MILES TO BEGIN ACCESS ON LEFT (WHERE 2-TRACK ROAD BEGINS).
- 3) FOLLOW 2-TRACK ROAD, WHICH IS UPGRADE ACCESS FOR 273.17'.
- 4) TURN LEFT, FOLLOW RED FLAGGING (WHERE NEW ACCESS BEGINS) FOR 402.04' TO NEW LOCATION.

WELL FLAG LOCATED AT LAT. 36.88091°N, LONG.107.98980°W (NAD 83).

