

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. SF-078497
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. Indian, Allottee or Tribe Name
2. Name of Operator CONOCO INC.		7. If Unit or CA Agreement, Name and No.
Contact: VICKI WESTBY E-Mail: Vicki.R.Westby@conoco.com		8. Lease Name and Well No. SAN JUAN 28-7 241F
3a. Address 10 DESTA DR., ROOM 608W MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 915.686.5799 Ext: 5799	9. API Well No. 3003927006
4. Location of Well (Report location clearly and in accordance with any State requirements*) At surface NWSE 1515FSL 1900FEL At proposed prod. zone		10. Field and Pool, or Exploratory BASIN DAKOTA
14. Distance in miles and direction from nearest town or post office*		11. Sec., T., R., M., or Blk. and Survey or Area Sec 8 T28N R7W Mer NMP
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of Acres in Lease	12. County or Parish RIO ARRIBA
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 7816 MD	13. State NM
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6628 GL	22. Approximate date work will start	17. Spacing Unit dedicated to this well 338.02
23. Estimated duration		20. BLM/BIA Bond No. on file

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission) <i>Vicki Westby</i>	Name (Printed/Typed) VICKI WESTBY	Date 05/06/2002
Title AUTHORIZED SIGNATURE		
Approved by (Signature) <i>/s/ David J. Mankiewicz</i>	Name (Printed/Typed)	Date JUL - 9
Title		Office

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

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.

Additional Operator Remarks (see next page)

Electronic Submission #10185 verified by the BLM Well Information System
For CONOCO INC., will be sent to the FarmingtonDRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
TECHNICAL REQUIREMENTS.This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4

** DRAFT ** DRAFT ** DRAFT ** DRAFT ** DRAFT ** DRAFT ** DRAFT **

NMOC

District II
PO Drawer DD, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

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

2007 MAY -0 PM 12: 41 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-27006		*Pool Code 71599	*Pool Name BASIN DAKOTA
*Property Code 016608	*Property Name SAN JUAN 28-7 UNIT		*Well Number 241F
*OGRID No. 005073	*Operator Name CONOCO, INC.		*Elevation 6628'

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
J	8	28N	7W		1515	SOUTH	1900	EAST	RIO ARRIBA

¹¹Bottom 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
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

12 Dedicated Acres	338.02 Acres	13 Joint or Infill	14 Consolidation Code	15 Order No. R2948#4
--------------------	--------------	--------------------	-----------------------	-------------------------

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

15

5290.56'

5268.78'

1205.82'

LOT 4

LOT 3

8

LOT 2

LOT 1

LOT 4

LOT 3

9

LOT 2

LOT 1

1133.22'

1320.00'

1515'

1900'

1170.84'

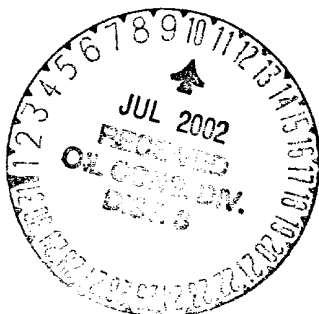
1320.00'

SF-078497

SF-078497-A

5291.88'

5276.04'



17 OPERATOR CERTIFICATION

I hereby certify that the information
contained herein is true and complete
to the best of my knowledge and belief

Signature Vicki Westby
Vicki R. Westby

Printed Name
Sr. Title Analyst

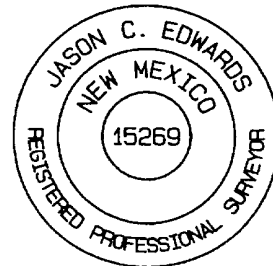
Title _____
Date April 11, 2002

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.

Survey Date: December 27, 2001

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

1515' FSL & 1900' FEL, SECTION 8, T28N, R7W, N.M.P.M.
RIO ARRIBA COUNTY, NEW MEXICO



DRILLING PROGRAM - SAN JUAN 28-7 241F



San Juan Business Unit

Well: SAN JUAN 28-7 241F Area: EAST AFE #s: AFE \$: 6331955.5

Field Name: EAST 28-7 Rig: Key 49 State: NM County: Rio Arriba API #:

Location: Surface

Lat.: 36.672594 Long: -107.593738 Footage X: 1900 FEL Footage Y: 1515 FSL Sec.: 8 Survey: 28N Abstract: 7W

ERA (Emergency Response Area):

Lat: Long: *"Air Drilled"*

Formation Data : Ground Level = 6628 FT Assume KB = 6641 FT

Formation Call && Casing Points	Depth (TVD in Ft)	BHP (PSIG)	BHT	Remarks
Surface Casing	211			Severe lost circulation is possible. 9 5/8", 36 ppf, J-55, STC casing. Circulate cement to surface.
OJAM	2411			Possible water flows
KRLD	2510			
FRLD	2856			Possible gas
PCCF	3106			
LEWS	3306			
Intermediate Casing	3406			7", 20 ppf, J-55, STC Casing. Circulate cement to surface.
CHRA	4267			
CLFH	4958	1300		Gas; possibly wet
MENF	5141			Gas
PTLK	5494			Gas
MNCS	5744			
GLLP	6766			
GRHN	7466			Gas possible, highly fractured
TWLS	7556			Gas
CBBO	7691			Gas
Total Depth	7816	3000		4 1/2", 10.5 ppf, J-55, STC casing. Circulate cement a minimum of 100' inside the previous casing string. No open hole logs. Cased hole TDT with GR to surface.

Logging Program :

Intermediate Logs: ☐ Log only if show ☐ GR / ILD ☐ Triple Combo ☐ Other

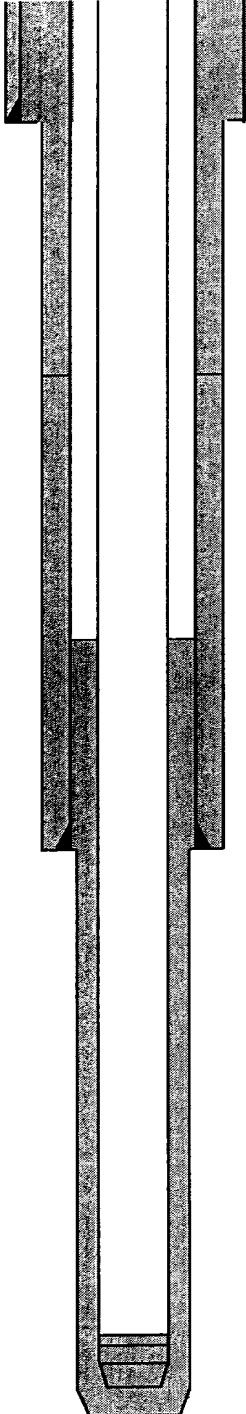
TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☒ TDT ☐ Other

Additional Information:

Comments

Cementing Summary

San Juan 28-7 241F (v1.0)

		OH					
		Depth	Excess				
	9-5/8" Sfc Casing	0		Class 'H' Cement	134.6 sx	Slurry Volume	142.6 cu ft
				Flocele (if req'd)	0.25 lb/sk		25.4 bbl
				CaCl2	2.0% bwoc-db	Slurry Density	16.5 ppg
				Defoamer (if req'd)	0.05 gal/bbl	Slurry Yield	1.06 cu ft/sk
	9-5/8" shoe	200	100%			Mix Fluid	4.22 gal/sk
<hr/>							
	7" Lead Cement	150%		Blend	369.69 sx	Slurry Volume	1046.2 cu ft
				Class 'H' Cement	84 lb/sk		186.3 bbl
				San Juan Poz	lb/sk	Slurry Density	11.4 ppg
				Econolite	3.0% bwob	Slurry Yield	2.83 cu ft/sk
				CaCl2	bwob	Mix Fluid	17.29 gal/sk
				CFR-3	bwob		
				HR-5	bwob		
	7" Top of Tail	2,895		Silicalite-blended	10 lb/sk		
				Flocele	0.5 lb/sk		
				Defoamer (if req'd)	0.05 gal/bbl		
<hr/>							
	7" Tail Cement	150%		Blend	173.96 sx	Slurry Volume	207.0 cu ft
				Class 'H' Cement	100% bwob		36.9 bbl
				San Juan Poz	lb/sk	Slurry Density	15.6 ppg
				Econolite	bwob	Slurry Yield	1.19 cu ft/sk
				CaCl2	1.00% bwob	Mix Fluid	5.2 gal/sk
				CFR-3	bwob		
				HR-5	bwob		
				Silicalite-blended	bwob		
				Flocele	0.25 lb/sk		
				Gilsonite	lb/sk		
				Defoamer (if req'd)	0.05 gal/bbl		
	4.5" TOC	2,395					
<hr/>							
	7" Casing Intermediate	3,395	150%				
<hr/>							
	4.5" Cement	50%		Blend	468.54 sx	Slurry Volume	796.5 cu ft
				Class 'H' Cement	47 lb/sk		141.9 bbl
				San Juan Poz	24 lb/sk	Slurry Density	12.8 ppg
				Bentonite	3.00% bwob	Slurry Yield	1.70 cu ft/sk
				Halad-344	0.40% bwoc	Mix Fluid	8.26 gal/sk
				CFR-3	0.20% bwoc		
				HR-5	0.10% bwoc		
				Silicalite-blended	20 lb/sk		
				Flocele	0.25 lb/sk		
				Defoamer (if req'd)	0.05 gal/bbl		
	4-1/2" Casing Production	7,805	50%				

Note: Conoco to verify casing depths.

Cathodic Protection System Description

Anode Bed Type	Deep Well	
Hole Size	8"	
Hole Depth	200' - 500'	As required to place anodes below moisture and in low resistance strata.
Surface Casing	8" Diam., \geq 20' Length. Cemented In Annular Space	When needed, casing will be installed at an adequate depth to control ground water flow. Casing will extend a minimum of 2' above grade, be surrounded by a concrete pad, and sealed with a PVC cap. Steel casing will be substituted when boulders are encountered.
Vent Pipe	1" Diam. PVC	Vent pipe will extend from bottom of hole, through top of casing cap, and sealed with a 1" perforated PVC cap.
Type Of Anodes	Cast Iron Or Graphite	
Number Of Anodes	8 - 20	Sufficient quantity to achieve a total anode bed resistance of < 1 ohm and a design life \geq 20 years.
Anode Bed Backfill	Loresco SW Calcined Petroleum Coke Breeze	Installed from bottom of hole to 10' above top anode.
Anode Junction Box	8 - 20 Circuit Fiberglass Or Metal	Sealed to prevent insect & rodent intrusion.
Current Splitter Box	2 - 5 Circuit Metal	Sealed to prevent insect & rodent intrusion.
DC / AC Cable	DC: #2, #4, #6, #8 Stranded Copper (One Size Or Any Combination Of) With High Molecular Weight Polyethylene (HMWPE) Insulation. AC: #8 Stranded Copper HMWPE	18" depth in typical situation, 24" depth in roadway, & 36" depth in arroyos and streams. EXCEPTION: If trenching is in extremely hard substratum, depth will be 8 - 12" with cable installed in conduit. Installed above foreign pipelines if 1' clearance is available, if not, installed under foreign pipeline with 1' clearance (AC cable always installed under foreign pipeline in conduit).
Power Source	1) Rectifier 2) Solar Power Unit 3) Thermoelectric Generator	Choice of power source depending on availability of AC & other economic factors.
External Painting	Color to be selected according to BLM specifications.	Paint applied to any surface equipment associated with the CP system which can reasonably be painted.