Form 3160-3 (August 1999)

FORM APPROVED OMB No. 1004-0136

UNITED ST DEPARTMENT OF T	Expires November 30, 2	2000			
BUREAU OF LAND N	5. Lease Serial No. CONTRACT 104				
APPLICATION FOR PERMIT	TO DRILL OR REENTER	6. If Indian, Allottee or Tribe Nam	ie		
la. Type of Work: 🛛 DRILL 🔲 REENTER	7. If Unit or CA Agreement, Name and No.				
lb. Type of Well: ☐ Oil Well Gas Well ☐ Oth	ner □ Single Zone ☑ Multiple Zone	8. Lease Name and Well No. JICARILLA E #16			
	VICKI WESTBY E-Mail: Vicki.R.Westby@conoco.com	9. API Well No. 30-039-27	072		
3a. Address 10 DESTA DR., ROOM 608W MIDLAND, TX. 79705	3b. Phone No. (include area code) Ph: 915.686.5799 Ext: 5799	10. Field and Pool, or Exploratory TAPACITO PC/BLANCO MV Basia Da Keta			
4. Location of Well (Report location clearly and in accorda	nce with any State requirements.*)	11. Sec., T., R., M., or Blk. and St			
At surface NENE- 600 FNL 600 FEL At proposed prod. zone		A Sec 21 T26N R4W Mer N	IMP		
14. Distance in miles and direction from nearest town or post	office*	12. County or Parish RIO ARRIBA	13. State NM		
 Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 	17. Spacing Unit dedicated to this 320.00 // / // / / //				
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.					
21. Elevations (Show whether DF, KB, RT, GL, etc.	22. Approximate date work will start	23. Estimated duration			
	24. Attachments		Particular de Colonida de la colonid		
The following, completed in accordance with the requirements of	f 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 Syst SUPO shall be filed with the appropriate Forest Service Of 	tem Lands, the Soperator certification	ons unless covered by an existing bor			
25. Signature (Electronic Submission)	Name (Printed/Typed) VICKI WESTBY	Dai 1	te 1/16/2001		
Title AUTHORIZED SIGNATURE					
Approved by (Signature) A M. Sci - M. Joski	Name (Printed/Typed)	Da 7-	te -/ 2 -0 2		
Tille - 1 C #	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 #9025 verified by the BLM Well Information System For CONOCO INC., sent to the Rio Puerco Committed to AFMSS for processing by Angie Medina-Jones on 11/16/2007 ()

ENDOWS FOR NSL

Form 3160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0135 Expires: November 30, 2000

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

Lease Serial No. CONTRACT #104

Do not use tr	ns form for proposals to	o drill or to re-enter an					
abandoned we	ell. Use form 3160-3 (AF	PD) for such proposals.	6. If Indian, Allotte JICARILLA A	te or Tribe Name PACHE			
SUBMIT IN TR	IPLICATE - Other instru	ctions on reverse side.	7. If Unit or CA/A	greement, Name and/or No.			
1. Type of Well	8. Well Name and I						
Oil Well Gas Well Ot 2. Name of Operator		\#\@\\\\	JICARILLA E 1	6			
CONOCÔ INC.	Contact:	VICKI WESTBY E-Mail: Vicki.R.Westby@conoc		39-27072			
3a. Address 10 DESTA DR., ROOM 608W MIDLAND, TX 79705		3b. Phone No. (include area cod Ph: 915.686.5799 Ext: 57					
4. Location of Well (Footage, Sec., 7	F., R., M., or Survey Description	1)	11. County or Paris	h, and State			
Sec 21 T26N R4W NENE 380	OFNL 880FEL		RIO ARRIBA	COUNTY, NM			
12. CHECK APP	ROPRIATE BOX(ES) TO	O INDICATE NATURE OF	NOTICE, REPORT, OR OTH	ER DATA			
TYPE OF SUBMISSION		TYPE C	OF ACTION				
Notice of Intent ■	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off			
	☐ Alter Casing	☐ Fracture Treat	□ Reclamation	☐ Well Integrity			
☐ Subsequent Report	☐ Casing Repair	■ New Construction	☐ Recomplete	☑ Other			
☐ Final Abandonment Notice	☐ Change Plans	Plug and Abandon	☐ Temporarily Abandon	Change to Original A			
	☐ Convert to Injection	□ Plug Back	Plug Back				
determined that the site is ready for fi Conoco Inc. proposes to move 21, T26N-R4W. The original A equipped in accordance with ti location. The application for N	e this location from 660'FI APD was filed on Novemb he attachments submitted	NL & 660'FEL, to 380'FNL & oper 16, 2001. This well will be the rewith which have been	a drillad and				
				· · · · · · · · · · · · · · · · · · ·			
				· · · · · · · · · · · · · · · · · · ·			
14. I hereby certify that the foregoing is	Electronic Submission #	10336 verified by the BLM Wel CO INC., will be sent to the Rio	I Information System Puerco				
Name(Printed/Typed) VICKI WES	STBY_	Title AUTHO	PRIZED SIGNATURE				
Signature (Electronic Signature	ubmission	Date 05/10/2					
	THIS SPACE FO	R FEDERAL OR STATE					
Approved By atrica M		Landsiand ivine		9.00			
onditions of approval, if any, are attached rtily that the applicant holds legal or equi fich would entitle the applicant to conduc	table title to those rights in the	not warrant or	Pate Date	1 6 2			
d Little C. C	10.0	- Since					

District I PD Box 1980, hobbs, NM BB241-1980

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

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

District IV PO Box 2088, Santa Fe. NM 87504-2088 State of New Mexico Erangy, Minerals & Natural Rasources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C~102 Revised February 21, 1994 Instructions on back

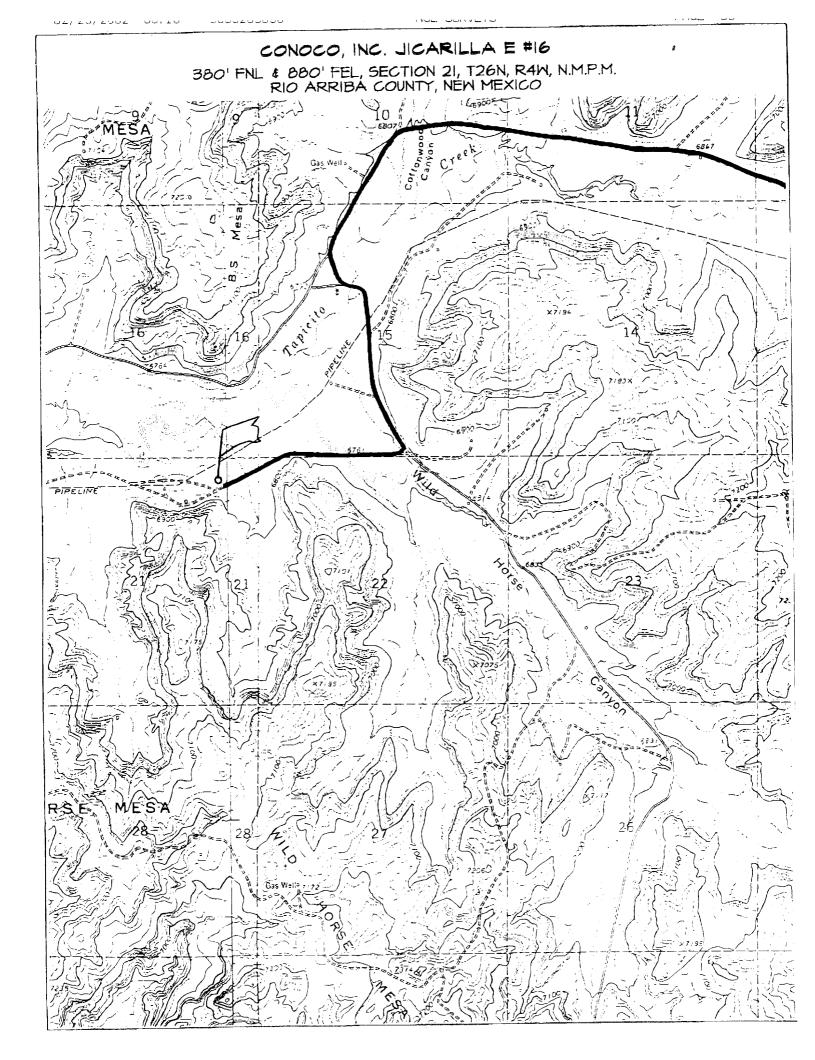
Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

Certificate Number

] AMENDED REPORT

			WELL	LOCAT]	ON AND A	CREAGE DED	ICAT	ION PL	ΑT		
API NU			*Pool Cod		Pool Name						
30-03	7-270	1 2 592	0-72319	71599	Tapacito F	Pictured Cli	ffs-E	3lanco M	1esaver	rde-Bas	sin Dakota
Property	Code	*Property Name well Number								ll Number	
1802			JICARILLA E 16								
'CGRID	ł				*Operator	Name		· · · · · · · · · · · · · · · · · · ·		•E	levation
00507	73				CONOCO,	INC.				6	5768
						Location					
UL or lot no	Section .	Township	Range	Lot Ion	Feet from the	North/South line		t from the	East/No		County RIO
Α	21	26N	4W		380	380 NORTH 8			BBO EAST		ARRIBA
			Bottom		ocation I	f Different	Fro	m Surf	ace		
U_ or let no.	Section	Township	Range	Lot Ion	Fact from the	North/South line	Fee	t from the	East/We	er lius	County
Medicated Acres			(NE/4)		int or Infill دور المرات	M Consolidation Code	¹⁵ Order	NC.			
	320.0	Acres ((E/2) -	MV/DK			L				
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DRILLING PROGRAM - JICARILLA E 16

Comments



Unit Well: JICARILLA E 16 Area: SOUTH AFE #s: 3447 AFE \$: 365915 Field Name: JICARILLA-TRIBAL Rig: Key 49 State: NM County: RIO ARRIBA API #: Cotalion Asorace Property and Alexander Property Lat: 36.478202 Long: -107.250211 Footage X: FEL Footage Y: 380 Survey: 26N Abstract: EFACEDEIGNICHTES POISEAGES DE COMPANIE DE LA COMPAN Lat Long: Formation Data: Ground Level = 6768 FT Assume KB = 6781 Formation Call && Depth BHP Remarks Casing Points (IVD in H) (PSIG) BHT Severe lost circulation is possible. 12 1/4" Hole. 9 5/8", 36 ppf, J-55, STC casing. Will Surface Casing 500 test to 1500 psi. Circulate cement to surface. 100% Excess. Macinicato 21500'-**OJAM** 2874 Possible water flows KRLD/FRLD 3160 **PCCF** 325 3416 125 Gas; possible lost circulation LEWS 3578 CHRA 4362 CLFH 5060 Gas; possibly wet MENE 5189 Gas; possibly wet PTLK 5561 560 160 Gas, Possible Lost Circulation 7 7/8" Hole. 4 1/2", 10.5 ppf, J-55, STC casing. Circulate cement a minimum of 100' Total Depth 5901 inside the previous casing string. No open hole logs. Cased hole TDT with GR to Intermediate Logs: Log only if show GR / ILD Triple Combo Other TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ SonIc ☐ VSP ☑ TDT ☐ Other Additional Information:



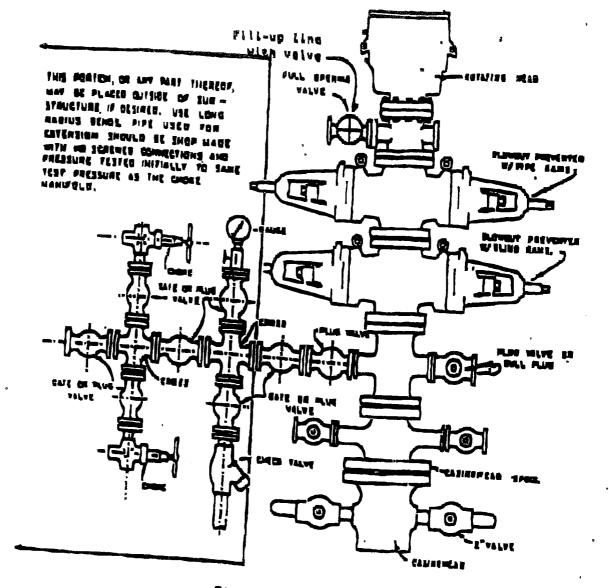
Cementing Summary Jicarilla E 16 (v3.1)

OH Depth Excess

	9-5/8" Sfc Cs(0		Class 'H' Cement Flocele (if req'd)	306 sx 0.25 lb/sk	Slurry Volume	330.6 cu ft 58.9 bbl
	12.14 11	ste		CaCl2 Defoamer (if req'd)	2.00% bwoc-db 0.05 gal/bbl	Slurry Density Slurry Yield Mix Fluid	16.4 ppg 1.08 cu ft/sk 4.45 gal/sk
	9-5/8" shoe	500					
	Stage #2 Lead	60)%	Blend Class 'H' Cement San Juan Poz Econolite Silicalite-blended Flocele Defoamer (if req'd)	617 sx 84 lb/sk lb/sk 3.00% bwoc 10 lb/sk 0.5 lb/sk 0.05 gal/bbl	Slurry Volume Slurry Density Slurry Yield Mix Fluid	1,747 cu ft 311 bbl 11.4 ppg 2.83 cu ft/sk 17.29 gal/sk
	PCCF	3,416					
	OH Size	7-7/8 in					
0000	DV Tool #1	4,850					
	Stage #1	60)%	Blend Class 'H' Cement San Juan Poz	251 sx 47 lb/sk 24 lb/sk	Slurry Volume	427 cu ft 76 bbl
	CLFH MENF	5.060 5,189		Bentonite Halad-344 CFR-3 HR-5 Silicalite-blended Flocele	3.00% bwoc 0.40% bwoc 0.20% bwoc 0.05% bwoc 20 lb/sk 0.25 lb/sk	Slurry Density Slurry Yield Mix Fluid	12.8 ppg 1.70 cu ft/sk 8.26 gal/sk
	PTLK	5,561		Defoamer (if req'd)			
	Shoe	5,901	ما ارح را ا	y west by -C	inux - 5-30	~- C Z	

Revision Date: 5/10/2002

Notes: 1) Conoco to verify TOC's & DV depths and hole sizes.



BLOWOUT PREVENTER HOOKUP

Drilling contractors used in the San Juan Basing supply 1000 pai equipment, but cannot provide annular preventors because of substructure limitations. Maximum anticipated surface pressures for this well will not exceed the working pressure of the proposed BOP Please see the attached Bop diagram details 2000 pai equipment according to Onshore Order No. 2 even though the aquipment will test to 3000 psi. deletion of the annular preventor and fulfills your requirements The 2000 psi system allows (note diagram No. 1). In addition, the following equipment will comprise the 2000 psi system:

- Two rams with one blind and one pipe ram. 2.
- Kill line (2 inch maximum). J.
- One kill line valve. 4.
- One choke line valve, 5,
- Two chokes (reference diagram No. 1). 6,
- Upper kelly cock valve with handle. 7,
- Safety valve and subs to fit all drill strings in usa. 8. 9,
- Pressure gauge on choke manifold. 10.
- Fill-up line above the upper most preventer. 11.

Cathodic Protection System Description

Anode Bed Type	Deep Well			
Hole Size		And the second s		
Hole Depth	200 200.	As required to place anodes below moisture and in low resistance strate.		
Surface Casing	8" Diam., ≥ 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 f Diam. PVC	Vent pips will extend from bottom of hole, through top of casing cap, and socied with a 1° perforated PVC cap.		
Type Of Anodes	Cast Iron Or Graphite			
Number Of Anodes	ā - 20	Sufficient quantity to achieve a total anode bed resistance of <1 ohm and a design life ≥ 20 years.		
Anode Bed Backfill	Lorasco SW Caleinad Patroleum Coka Braeze	installed from bottom of hole to 10' above top anode.		
Anode Junction Box	8 - 20 Circuit Fiberglass Or Metel	Sealed to provent insact & 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 Polyethylens (HMWPE) Insulation. AC: #8 Stranded Copper HMWPE	18° depth in typical situation, 24° depth in readway, & 36° depth in arroyo's and exeams. EXCEPTION: If tranching 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 siways installed under foreign pipeline in conduit).		
Power Source	11 Rectifler 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.		