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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

APR 2001 RECEIVED OIL CON. DIV. DIST. 3

5. Lease Serial No.
SF 078390

6. If Indian, Allottee or Tribe Name

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

1. Type of Well ☐ Oil Well ☒ Gas Well Other

8. Well Name and No.
PRICE 5

2. Name of Operator
CONOCO INC.

9. API Well No.
3004530252

3a. Address
P.O. BOX 2197 DU 3066
HOUSTON, TX 77252

3b. Phone No. *(include area code)*
281.293.1005

10. Field and Pool, or Exploratory Area
BASIN DAKOTA

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
790FEL 755FSL P-12-28-8

11. County or Parish, and 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 recomplete 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 files within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion 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 site is ready for final inspection.)

Conoco did not get cement to surface on the referenced well and are proposing to do a cement squeeze job as per attached. Per conversation with Jim Lovato March 28, CBL's were forwarded by Schlumberger to BLM.

Electronic Submission #3351 verified by the BLM Well Information System for CONOCO INC. Sent to the Farmington Field Office
Committed to AFMSS for processing by Maurice Johnson on 04/09/2001

Name *(Printed/Typed)* **DEBORAH MARBERRY** Title **SUBMITTING CONTACT**

Signature Date **04/02/2001**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By **/s/ Jim Lovato** 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

Price 5

Recommended Squeeze Procedure

Objective / Purpose / Scope of Work: Perform cement squeeze to isolate Chacra, and get cement 200' into 7" overlap, as per conversation between Craig Moody and Jim Lavato, BLM, on 3/28/01.

Well Information / Elevations:

API Number:	30-045-30252		
Ground Level Elevation:	6412 ft	K.B. Elevation:	6425 ft (13 ft above GL)
Total Vertical Depth:	7595 ft	Plug Back Depth:	7482 ft (FC)
Marker Joint:	6993 ft	Drilling Rig:	Key 43
Surface Location:	Section: 12	Township: 28N	Range: 8W
	Unit: -	0755' FSL & 0790' FEL	San Juan County
Surface Coordinates:	X = 36° 40.2'	Y = 107° 37.6	
Surface Coordinates:	X = **36° 40.2'**	Y = **107° 38'**	

Existing Casing, Tubing and Packer Information

	OD (in)	Depth (ft)	ID/Drift (inches)	Weight (#/ft)	Grade	Burst (psi)	Collapse (psi)	Volume (Bbls/Ft)
Surface	9-5/8	288	8.921/8.765	36.0	J-55	3520	2020	0.0773
Intermediate	7	3528	6.366/6.241	20.0	J-55	3740	2270	0.0405
Production Csg	4-1/2	7563	4.052/3.927	10.5	J-55	4790	4010	0.0159
	-	-	-	-	-	-	-	-
{Existing} Packer Setting: N/A								

Top of Cement: 5290'
Annular Fluids: 8.9 ppg @ TD

Tops: Mesaverde PLO – 5323'
Top of MV ---4650'
Top of Chacra -- 3980'
Bottom of Chacra---4300'

1) After DK stimulation down casing, and pressure bleed down/zone killed, proceed to set EZ drill CIBP @ 4650' above DK; fill casing w/ 1 %KCL water and pressure test to 1000 psi.
NOTIFY BLM of timing of squeeze, to allow witness
2) Proceed to perforate 3 squeeze holes, 120 degree phase, @ 4600'.
3) RIH w/ retainer & set @ 4550', and breakdown perfs and establish circulation up through 7" annulus to surface. Upon establishing good circulation, proceed to squeeze as per BJ procedure.
MONITOR BACKSIDE CIRCULATION ENTIRE TIME DURING JOB
CALCULATE ESTIMATE TOC as per pressures; record in report
4) SION. Drillout next day to CIBP; test squeeze to 1000 psi; test backside annulus to 500 psi; record and report. Get BLM approval to proceed (w/o needing CBL).
5) Drillout CIBP and c/o to PBTD. Unload DK; obtain C-104 stabilized test; report; land tbg mid-DK perfs. (refer to Lucas Bazan completion procedure).

Craig Moody
Prod Engr - East

Proposal No: 282150179B

Conoco
Price #5

API # 30-045-30252-0000
Basin Dakota Field

San Juan County, New Mexico
March 30, 2001

Cement Recommendation

Prepared for:
Mr. Craig Moody
Conoco, Inc

Prepared by:
Angel Gonzalez
Region Engineer
Bus Phone: (281) 293-5865
Addt Bus (713) 683-3423
Mobile: (713) 501-5369
Email: agonzalez@bjservices.com

POWERVISION™

Service Point:
Farmington
Bus Phone: (505) 327-6222
Fax: (505) 327-5766

Service Representatives:
Terry Crabb
Sales Rep II
Farmington, New Mexico
Bus Phone: (505) 327-6222
Mobile: (505) 330-0004

Operator Name: Conoco
Well Name: Price #5
Job Description: SQZ from 0 to 4600 ft
Date: March 30, 2001

Proposal No: 282150179B

JOB AT A GLANCE

Casing Size/Weight :	4 1/2in, 10.5 lbs/ft
Pump Via	Tubing 2 3/8" O.D. (1.995" .I.D) 4.7 #
Total Mix Water Required	1,547 gals
Spacer	
Fresh Water	40 bbls
Density	8.3 ppg
Squeeze Slurry	
Premium Lite HS	135 sacks
Density	12.6 ppg
Yield	2.15 cf/sack
Displacement	
Fresh Water	18 bbls
Density	8.3 ppg

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WELL GEOMETRY

Squeeze Depth	4,600 ft		
Tubing/Drill Pipe Size	2.375 in	1.995 in ID	4.7 lbs/ft
Casing Size	4.500 in	4.052 in ID	10.5 lbs/ft
Squeeze Temperature	115 ° F		
Est. Static Temperature	135 ° F		

FLUID SPECIFICATIONS

Spacer = 40.0 bbls Fresh Water @ 8.33 ppg

SLURRY NO.	VOLUME CU-FT		VOLUME FACTOR	AMOUNT AND TYPE OF CEMENT
1	290	/	2.15	= 135 sacks Premium Lite High Strength + 2% bwoc Calcium Chloride + 3% bwow Potassium Chloride + 109.8% Fresh Water

Displacement = 18.0 bbls Fresh Water @ 8.33 ppg

CEMENT PROPERTIES

	SLURRY NO. 1
Slurry Weight (ppg)	12.60
Slurry Yield (cf/sack)	2.15
Amount of Mix Water (gps)	11.46
Estimated Pumping Time - 70 BC (HH:MM)	2:30
Free Water (mls) @ 100 ° F @ 90 ° angle	0.7

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PROCEDURE

Squeeze Procedure:

1. Hold pre-rigup safety meeting.

2. Rig up BJ Services to pump down 2-3/8" tubing and prepare to squeeze between 4-1/2", 10.5#, J-55 casing from 4600 ft back 200 ft into 7", 20#, J-55 set at 3528 ft. Volumes based upon 30% excess calculated in open-hole section from 5455 to 3528 ft and 200 ft inside 7" casing.

3. Hold prejob safety meeting with all personnel on location.

4. Pressure test to top connection to 5000 psi.

5. Operator will provide a CIBP set at 4650 ft.

6. Operator RIH with tubing and 4-1/2" retainer and set retainer @ 4550'.

7. Establish ciruclation with 200 bbls of 2% KCL water through perforations back to surface.

8. Mix and pump 135 sacks of Squeeze Cement Slurry.

9. Sting out of retainer and reverse circulate .

10. Shut down and rig down safely. WOC 24 hrs.

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