

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTOil Cons.
N.M. Div-Dist 2
1301 W. Grand Avenue
Artesia, NM 88210FORM 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.

5. Lease Serial No.

6. Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

WEST BRUSHY "8" FED. 2

2. Name of Operator

ARCO PERMIAN

Contact:

AMY T. SPANG

E-Mail: amy.t.spang@bp.com

9. API Well No.

30-015-31866

3a. Address

200 WESTLAKE PARK BLVD, RM. 266
HOUSTON, TX 77079

3b. Phone No. (include area code)

Ph: 281.366.7655

Fx: 281.366.7688

10. Field and Pool, or Exploratory

BRUSHY DRAW DELAWARE

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

Sec 8 T26S R29E SENE 1750FNL 990FEL

11. County or Parish, and State

EDDY COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input checked="" 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 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 recomplate 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 filed 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.)

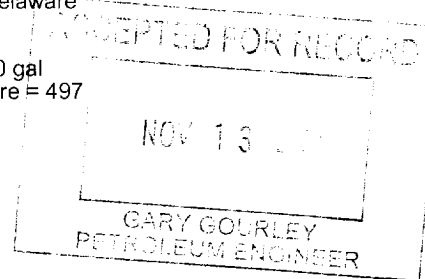
8-18-01. MIRU. Run cement bond logs (1000 psi). Run temp log. Perforate lower "Getty" Delaware from 5456'-5514', 1 spf, .43 DEH w/ 120 phasing w 3 1/8" slick gun. Total of 29 holes.

8-21-01. Frac lower "Getty" Delaware from 5456'-5514' w/ 2000 gal 7 1/2% HCl and w/ 50000 gal Viking 2500 fluid w/ 140474 lbs of 16/30 Ottawa Sand. Max pressure = 3659 psi, Min. pressure = 497 psi. TOPS.

9-21-01. MIRUPU. Pump 100 bls scale mix. Flush w/ 150 bbls produced water @ 3 bpm.

9-22-01. TIH w/ 5 1/2 Baker CIBP w/ 167 jts 2 7/8 tbg. Set CIBP @ 5400'.

9-23-01. GIH w/ CCL & perf guns. Run CCL - perf selective 30 holes: 5212'-5310'.



14. I hereby certify that the foregoing is true and correct.

Electronic Submission #8335 verified by the BLM Well Information System
For ARCO PERMIAN, sent to the Carlsbad
Committed to AFMSS for processing by linda askwig on 10/31/2001 ()

Name (Printed/Typed) AMY T. SPANG

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 10/30/2001

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.

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Additional data for EC transaction #8335 that would not fit on the form

32. Additional remarks, continued

9-24-01. Pump prop. 898 bbls sand laden fluid, 146020 lbs Ottawa 20/40 sand. 13-64 choke. Recover 320 blw, 0 oil, 0 gas - little flow.

9-26-01. GIH tag sand @ 5330'. Clean out sand to CIBP @ 5400'.

9-28-01. GIH & knock out CIBP @ 5400'. Push down hole to 5486'.

9-29-01. TIH w/ 2 7/8 tbg. Tag @ 5479'. Wash sand 5479'-5489'. Finish drilling up CIBP. wash sand 5489'-5567'.

10-1-01 TOTPS.

10-22-01 Test well: 48 bbl oil, 421 bbl H2O, 25 mcf gas.

UNITED STATES
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BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS
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Oil Cons.
N.M. Div-2
1301 W. Grand Avenue
Artesia, NM 88210

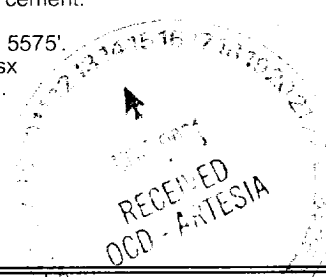
SUBMIT IN TRIPLICATE - Other instructions on reverse side.		7. If Unit or CA Agreement, Name and/or No.
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. WEST BRUSHY "8" FED. 2
2. Name of Operator ARCO PERMIAN		9. API Well No. 30-015-31866
3a. Address 200 WESTLAKE PARK BLVD, RM. 266 HOUSTON, TX 77079	3b. Phone No. (include area code) Ph: 281.366.7655 Fx: 281.366.7688	10. Field and Pool, or Exploratory BRUSHY DRAW DELAWARE
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 8 T26S R29E SENE 1750FNL 990FEL		11. County or Parish, and State EDDY COUNTY, NM

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

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<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Drilling Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
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7-10-01 MIRU. Spud and begin drilling.
7-12-01 Reach TD of 11" hole @ 590'. Set 8 5/8 casing to 581'.
Ran 7 centralizers. Lead cement: 275 sxs 12.5 ppg, 1.95 ft3/sx cement.
Tail cement: 195 sxs, 14.8 ppg, 1.35 ft3/sx
7-23-01 Reach TD of 7 7/8" hole @ 5575'. Set 5 1/2" casing to 5575'.
Ran 21 centralizers. Lead cement: 780 sxs, 12.5 ppg, 1.94 ft3/sx
Tail cement: 470 sxs type 'C', 14.0 ppg, 1.35 ft3/sx. WOC 8 hrs.
7-24-01 Released rig @ 4:00a.



14. I hereby certify that the foregoing is true and correct. Electronic Submission #8329 verified by the BLM Well Information System For ARCO PERMIAN, sent to the Carlsbad Committed to AFMSS for processing by linda askwig on 10/31/2001 ()	
Name (Printed/Typed) AMY T. SPANG	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 10/30/2001

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.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPL
(Other instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

ARCO Permian

3. ADDRESS AND TELEPHONE NO.

P.O. Box 1610, Midland, TX 79702

915-688-5570

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface

1650' ENL & 990' FEL - UNIT H

At proposed prod. zone

SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drilg. unit line, if any) 990'

16. NO. OF ACRES IN LEASE

400

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1200'

19. PROPOSED DEPTH

5500

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

2927'

22. APPROX. DATE WORK WILL START*

7/01

23. PROPOSED CASING AND CEMENTING PROGRAM

Carlsbad Controlled Water Basin

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11	8-5/8 J-55	24	580'	315
7-7/8	5-1/2 J-55	15.5	5500'	800

WITNESS

SUBJECT WELL IS PLANNED AS A 5500' STRAIGHT HOLE.
2,000 PSI BOPE WILL BE USED FROM 580' TO TD.

ATTACHMENTS ARE AS FOLLOWS:

1. CERTIFIED LOCATION PLAT.
2. DRILLING PLAN WITH ATTACHMENTS.
3. SURFACE USE PLAN WITH ATTACHMENTS.



APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24

SIGNED

Elizabeth A. Cusker

TITLE

REGULATORY COMPLIANCE ANALYST

DATE 5/24/01

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval 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.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

/s/ JOE G. LARA

TITLE

ACTING FIELD MANAGER

*See Instructions On Reverse Side

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 representations as to any matter within its jurisdiction.

JUL 03 2001
APPROVAL FOR 1 YEAR

RECEIVED
MAY 25 2001
8:41
ROSWELL, N.M.

SA JOE C. LARA