

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. Contract #68
2. Name of Operator Texaco Exploration & Production Inc.	6. If Indian, Allottee or Tribe Name Jicarilla Apache
3. Address and Telephone No. 3300 N. Butler, Farmington N.M. 87401 (505)325-4397	7. If Unit or CA, Agreement Designation -----
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 660' FSL & 1980' FEL SW/SE, Sec. 31, T25N, R5W	8. Well Name and No. Jicarilla "B" 9
	9. API Well No. 30039057090001
	10. Field and Pool, or Exploratory Area Otero Gallup
	11. County or Parish, State Rio Arriba, NM

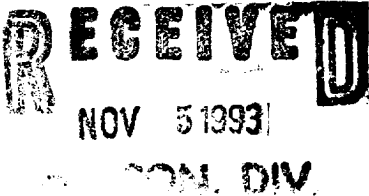
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input checked="" type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other _____	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Texaco E. & P. Inc. has Plugged and Abandoned the subject well. Please see the attached procedure and wellbore diagram for pertinent details.



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

Signed <u><i>Barcked Hindi TAT</i></u>	Title <u>Area Manager</u>	Date <u>9/09/93</u>
(This space for Federal or State office use)		
Approved by <u>SHIRLEY MONDY</u>	Acting <u>AREA MANAGER</u> Title <u>RIO PUERCO RESOURCE AREA</u>	Date <u>NOV 3 1993</u>
Conditions of approval, if any:		

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.

**PLUG AND ABANDONMENT
PROCEDURE FOR
JICARILLA B #9**

REPAIR CASING

9-04-92. MIRUSU. POOH with production equipment. Cleaned out fill to 6162'. TIH with cement retainer & set @ 5972'. Cemented Gallup perfs with 75 SX cement. Stung out and dumped 10 sxs on top of retainer. PBTD @ 5888'. RIH and tested casing to 1000# and est. top of hole from 577'-702'. Ran CBL from 5230'-4200'. Est. TOC @ 5100'. Logged from 3750'-3500' and D-log from 1900'-1500'. Est. TOC @ 1750'. Shot two squeeze holes @ 5200' and 4175'. TIH with packer and set @ 4908'. Attempted to circ. No circ. RU and perfed two holes at 4600'. TIH with packer & set @ 4532'. Established circ. thru holes @ 4600'-4175'. TIH with retainer & set @ 4967'. RU and squeezed hole @ 5020' with 75 SX cement with final press. of 1180#. TIH with retainer & set @ 4528'. Circ. from 4600'-4175'. Pumped 175 SX cement. Recieved full returns. Final press. of 1100#. TIH with RBP & set @ 1016'. Established circ. down casing up bradenhead @ 300#. Pumped 250 SX cement with full returns. Lost circ. No cement to surface. TIH and tagged cement @ 502'. Drilled out cement. Press. test casing leak @ 685'. RU and spotted 40 SX cement. Pumped 1 BBL, as press. climbed to 1800# and locked up. Well had 1400#. TIH and drilled out to 695'. Tested OK to 1000#. POOH with RBP. TIH and tagged cement @ 4233'. Drilled and cleaned to 5500'. Test squeeze holes @ 5020' & 4600' to 1000# for 15 min. and held. Set RBP @ 4435', pulled packer to 4215'. Tested 4250'-4375' with press. to 1000# lost 20# in 15 min. Pulled packer to 4121'. Tested squeeze hole @ 4175'. Tested annulus to 1000#. No bleed off. TIH with cement retainer & set @ 3963'. Pumped 150 SX cement, hesitate squeeze in @ 1020#. Clean out cement from 3963'-4175'. Fell through. Tested to 1000# & lost 50# in 30 min. TIH with packer @ 4218'. Tested down tubing @ 1000# and lost 30# in 15 min. Tested casing to 1000#, it held then broke. Bleeding to 500# in 15 min. Lower packer to 4380'. Spotted 75 sxs from 4380' to 3735'. Pulled packer to 3750'. Recover 1/2 BBL of cement. Pulled packer to 3624'. Press. cement to 1570#. Maintained 1600# for 1.5 hrs. TIH and tagged cement @ 3790'. Clean out cement from 3790'-4380'. Tested casing to 1000#. Circ. clean.

RECOMPLETE THE MESA VERDE FORMATION

Retrieved RBP @ 4435'. Ran TDT log from 5100'-4100'. RU and perfed the Mesa Verde formation at 4972'-68', 4942'-4938', 4906'-04', 4877'-73' with 4 JSPF for 56 holes. RIH with production string & set SN @ 4912', and packer @ 4811'. Swabbed. Recovered 17 BBLs of frac water. No gas or fluid entry. RU and acidized 1000 gals. of 15% HCl acid. Swabbed. Monitored gas. TSTM. Tested to 1000#. Frac'd the Mesa Verde perfs at 4873'-4972' with 72,000 gals. and 200,000# of 20/40 sand. followed by 20,000# resin coated sand in 10 stages. Tests showed very little gas and little sand. Swabbed. Very little gas. TIH with cement retainer & set @ 4835'. Load hole & tested to 1000#. OK. RU & perfed 2 JSPF @ 4226'-30', 4242'-46', 4332'-38', 4350'-56', 4472'-46', 4482'-98', 4510'-16', 4542'-48', 4606'-14', 4681'-83', 4727'-29', & 4740'-70'. 188 holes in 94'. TIH & set packet @ 4146'. RU & acidized perfs with 2000 gals. of 15% HCl. Used 100 frac balls, but no ball action & breaks. Swabbed. Very little gas.

PLUG AND ABANDONMENT

TIH & circ. frac balls and sand off of retainer @ 4835'. TIH & stung into retainer. Squeezed lower Mesa Verde Perfs with 35 SX of cement. RU & perfed squeeze holes @ 1060'. TIH with retainer & set @ 3680'. RU & cemented upper MV formation with 150 SX cement. Final squeeze press. of 1400#. Stung out.

1-10-93. TIH to 3680' & spotted 30 SX cement from 3680'-1060'. TIH with retainer & set @ 960'. Pumped 8 BBLs cement under Retainer. Final press. @ 1000#. Stung out of retainer. Spotted 2.2 BBLs of cement to surface. POOH. RDMOL. Cleaned up.



JICARILLA B No. 9 ABANDONMENT CONDITIONS

WELL:
Jicarilla B No. 9
LOCATION:
SW/4 SE/4
Sec. 31-T25N-R5W
Rio Arriba County

FORMATION TOPS:

Nacimiento 1010'
Ojo Alamo 2240'
Fruitland 2525'
Pictured Cliffs 2660'
Lewis 2757'
Chacra 3505'
Cliff House 4224'
Mancos 5074'
Gallup 5984'

UPPER MESA VERDE PERFS:

4226'-4770'
SQZ w/ 150 SX CMT

LOWER MESA VERDE PERFS:

4873'-4972'
SQZ w/ 35 SX CMT

GALLUP PERFORATIONS:

6030'-6130'
SQZ w/ 75 SX

