

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

1. WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		3. LEASE DESIGNATION AND SERIAL NO. Jicarilla Contract 464	
2. NAME OF OPERATOR Robert L. Bayless		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache Tribe	
3. ADDRESS OF OPERATOR P.O. Box 168, Farmington, NM 87499		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1190' FSL & 790' FWL		8. FARM OR LEASE NAME Jicarilla 464	
14. PERMIT NO.		9. WELL NO. 6	
15. ELEVATIONS (Show whether DP, RT, GR, etc.) 6992' GL 7004' RKB		10. FIELD AND POOL, OR WILDCAT Under East Blanco P.C.	
		11. SEC., T., R., M., OR B.L. AND SUBST OR AREA Sec. 32, T30N, R3W	
		12. COUNTY OR PARISH Rio Arriba	
		13. STATE NM	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACURE TREATMENT <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Set tubing	<input checked="" type="checkbox"/>
(Other:)		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. 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.)

SEE ATTACHED DAILY REPORTS 9/6/88 thru 9/14/88.

RECEIVED  
SEP 22 1988  
OIL CON. DIV.  
DIST. 3

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

SIGNED <u>Kevin H. McCord</u>	TITLE <u>Petroleum Engineer</u>	DATE <u>9/15/88</u>
(This space for Federal or State office use)		
APPROVED BY _____	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

\*See Instructions on Reverse Side

Jicarilla 464 #6

DAILY REPORT

Page 2

8/22/88 (Continued)

Land casing at 3992 ft. RKB (will cut off 8 ft.). Rig up Halliburton to cement. Cement 4 1/2" with 250 sx Class B with 2% econolite and 1/4# flocele/sx. Tail with 105 sx 50-50 pozmix with 2% gel and 10% salt and 1/4# flocele/sx. Start cementing at 3:30 AM. Plug down at 4:45 AM. Circulate approximately 2 bbls. cement. Pressure up to 2200 psi at 55 bbls. away of 63.4 calculated displacement. Could not displace further. Good returns throughout. Rig down Halliburton. Rig down drilling rig. Release drilling rig at 11:00 AM 8/22/88. Wait on completion.

9/06/88 Start up Bayless Rig #2. Nipple up wellhead. Nipple up BOP. Pick up bit and 2 5/8" tubing. Tag top of cement at 3385'. Drill 156' of cement to 3541'. Shut down for night.

9/07/88 Drill 408' of cement from 3541' to 3949' RKB. Shut down for night.

9/08/88 Rigged up the Western Company. Circulated hole clean with 2% KCL water. Moved tubing to 3912'. Spotted 250 gallons of 7 1/2% DI HCL acid across perforation interval. Trip tubing out of hole. Pressure tested casing to 3500 psi--held OK. Rigged up Welex. Ran GR-CLL-CBL from PBTD of 3945' RKB to 3300'. Good bond throughout zone. Perforated Lower Pictured Cliffs with 2 JSPF as follows:

3872 - 3882	10'	21 holes	
3888 - 3898	10'	21 holes	
3908 - 3912	<u>4'</u>	<u>9 holes</u>	
	24'	51 holes	(.34" diameter)

Broke down perforations @ 2000 psi. Established an injection rate into perforations of 8.2 BPM @ 800 psi, ISIP = 350 psi. Acidized the Lower Pictured Cliffs interval down casing with 500 gallons of 7 1/2% DI HCL acid. Acid rate 8.1 BPM @ 650 psi. Saw good ball action. Did not ball off casing. Final injection rate was 2 BPM @ 3200 psi, ISIP = 400 psi. Ran junk basket on wireline to PBTD. Recovered 74 ball sealers. Fracture stimulated Lower Pictured Cliffs interval with 37,500 gallons of 70 quality foam containing 50,000# of 20-40 mesh sand as follows:

7,500 gal. of 70 quality foam pad	30 BPM @ 2100 psi
10,000 gal. of 1 ppg 20-40 sand	30 BPM @ 2150 psi
20,000 gal. of 2 ppg 20-40 sand	30 BPM @ 2150 psi
2,622 gal. of 70 quality foam flush	30 BPM @ 2150 psi

Jicarilla 464 #6

DAILY REPORT

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9/08/88 (Continued)

ISIP = 1500 psi      5 min. = 1400 psi  
10 min. = 1400 psi      15 min. = 1400 psi

All water contained 2% KCL and 1/2 gal/1000 clay stabiliza-  
tion agent. Average rate - 30 BPM. Average pressure -  
2150 psi. Maximum pressure - 2200 psi. Minimum pressure -  
2100 psi. Average nitrogen rate - 14,500 SCF/min. Total  
nitrogen pumped - 461,000 SCF. Total fluid to recover -  
284 bbls. Shut well in for 3 hours to allow fracture to heal.  
Opened well through 1/2" tapped bullplug to the atmosphere.  
Left well flowing. Shut down for night.

9/09/88 Shut in well. Rigged up Welex. Set wireline set retrievable  
bridge plug at 3850' RKB. Rigged up the Western Company.  
Pressure tested bridge plug to 3500 psi--held OK. Trip in  
hole with 2 3/8" tubing to 3724'. Dropped 5 gallons of sand  
on top of bridge plug. Spotted 250 gallons of 7 1/2% DI HCL  
acid across Upper Pictured Cliffs perforation interval. Trip  
tubing out of hole. Perforated Upper Pictured Cliffs interval  
with 2 JSPF as follows:

3641 - 3654	13'	27 holes
3657 - 3668	11'	23 holes
3670 - 3673	3'	7 holes
3692 - 3694	2'	5 holes
3697 - 3704	7'	15 holes
3718 - 3724	6'	13 holes
	42'	90 holes (.34" diameter)

Broke down perforations @ 1400 psi. Established flow rate  
into perforations of 8.0 BPM @ 650 psi, ISIP = 300 psi.  
Acidized Upper Pictured Cliffs interval with 500 gallons of  
7 1/2% DI HCL weighted acid containing 135 1.1 s.g. RCN ball  
sealers. Acid rate 8.0 BPM @ 600 psi. Saw good ball action.  
Balled off casing to 3500 psi. Surged off ball sealers.  
Final injection rate 8.0 BPM @ 800 psi, ISIP = 450 psi. Ran  
wireline junk basket to TD to retrieve ball sealers. Junk  
basket got hung up at 1685'. Pulled out of rope socket and  
fell to bottom. Shut down for night.

9/10/88 Tripped in hole with overshot and bumper sub on 2 3/8" tubing.  
Tagged fish 13' deeper than expected at 3821'. Tripped tubing  
and fish out of hole. Recovered 131 ball sealers in junk  
basket. Rigged up the Western Company. Fracture stimulated  
the Upper Pictured Cliffs zone with 150,000 gallons of 70  
quality foam containing 200,000# of 20-40 sand as follows:

# ROBERT L. BAYLESS

PETROLEUM PLAZA BUILDING  
P. O. BOX 168  
FARMINGTON, NEW MEXICO 87499  
(505) 326-2659

Wicarilla 164 #6

## DAILY REPORT

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9/10/88 (Continued)

30,000 gal. of 70 quality foam pad	30 BPM @ 2000 psi
40,000 gal. of 1 ppg 20-40 sand	30 BPM @ 2000 psi
80,000 gal. of 2 ppg 20-40 sand	30 BPM @ 2050-2300 psi
2,431 gal. of 70 quality foam flush	30 BPM @ 2200 psi

ISIP = 1700 psi	5 min. = 1550 psi
10 min. = 1500 psi	15 min. = 1500 psi

All water contained 2% KCL and 1/2 gal/1000 clay stabilization agent. Average rate - 30 BPM. Average pressure - 2200 psi. Maximum pressure - 2300 psi. Minimum pressure - 2000 psi. Average nitrogen rate - 13,700 SCF/min. Total nitrogen pumped - 1,645,000 SCF. Total load fluid to recover - 1.169 bbls. Shut well in for 3 hours to allow frac to heal. Opened well to atmosphere to allow well to clean up. Shut down for night.

9/11/88 to 9/12/88 Well flowing to clean up after frac.

9/13/88 Well flowing to clean up after frac. Killed well. Tripped in hole with retrieving head on 2 3/8" tubing. Tagged sand fill at 3717' RKB. Rigged up the Western Company. Cleaned out 133' of sand with foam and retrieved bridge plug at 3850'. Tripped tubing and bridge plug out of hole. Noticed well head leak on bell nipple. Left well flowing to clean up. Shut down for night.

9/14/88 Well flowing strong. Killed well. Tripped in hole with tubing below packer. Nipple down BOP. Welded new bell nipple on wellhead. Nipple up BOP. Tripped in hole with remaining tubing. Tagged sand fill at 3899' RKB. Waited on well to unload. Cleaned out 49' of sand using well gas to PBTD of 3948'. Landed tubing as follows:

<u>Description</u>	<u>Length</u>	<u>Depth</u>
KB to landing point	7.00	0- 7
126 jts. 2 3/8" 4.7#/ft J-55 EUE tubing	3850.39	7-3857
1 seating nipple	.75	3857-3858
1 jt. 2 3/8" 4.7#/ft J-55 EUE tubing	29.85	3858-3888
	3887.99	

Nipple down BOP. Nipple up wellhead. Left well flowing to clean up for AOF.