

Artesia, NM 88210

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONTACT REPLYING
OFFICE FOR
OF COPIES REQUIRED
(Other instructions on
reverse side)

30-805-62863
BLM Roswell District
Modified Form No.
MD60-3160-2

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-2363	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Read & Stevens, Inc.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 1518 Roswell, NM 88202		8. FARM OR LEASE NAME Langley Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1650' FNL & 990' FWL At proposed prod. zone Same		9. WELL NO. 5	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 16 miles east of Hagerman, NM		10. FIELD AND POOL, OR WILDCAT Buffalo Valley Penn.	
10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 990'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 14-T15S-R27E	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2513' PA		12. COUNTY OR PARISH Chaves	
16. NO. OF ACRES IN LEASE 640		13. STATE New Mexico	
19. PROPOSED DEPTH 9100'		17. NO. OF ACRES ASSIGNED TO THIS WELL 320	
20. ROTARY OR CABLE TOOLS Rotary		22. APPROX. DATE WORK WILL START* July 1, 1991	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3515' GL			

PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	54.5#	J-55	STC	375'	Circ 300 sx C
11"	8 5/8"	24.0#	J-55	STC	1800'	800 sx HL+C
7 7/8"	4 1/2"	11.6#	J-55/N-80	STC	9100'	400 sx "H"

Mud Program:

0' - 375': Fresh water native mud: mud wt. 8.8-9.0 ppg, Vis. 32-40, No W/L control.
375' - 1800': Brine mud: mud wt. 10 ppg, Vis. 28-32, No W/L control.
1800' - 8250': Cut brine mud: mud wt. 9.0-9.2 ppg, Vis. 28-32, No W/L control.
8250' - 9100': Cut brine: mud wt. 9.0-9.2 ppg, Vis. 32-40, W/L control 10cc.

Post ID-1
7-12-91
New Loc + API

BOP Program:

A 10" 3000 psi wp Shaffer Type "E" BOP will installed on the 13 3/8" casing. Casing and BOP will be tested before drilling out with 11". BOP will be tested daily.

Gas not dedicated.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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 George R. Smith TITLE Agent for: Read & Stevens, Inc. DATE June 18, 1991
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY Bucky Moore TITLE for Area Manager DATE 7-9-91
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

RECEIVED

JUN 18 3 56 PM '91

BUREAU OF LAND MGT
ROSWELL RESOURCE
AREA