

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. IC 056616 (b)
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 Shenandoah Oil Corporation		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 1500 Commerce Building - Fort Worth, Texas - 76102		8. FARM OR LEASE NAME Gissler "A"
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements*) At surface Unit F At proposed prod. zone 2,310' FNL & 1,710' FNL Sec. 23-17S-30E Same		9. WELL NO. 5
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* One mile East Loco Hills, New Mexico		10. FIELD AND POOL, OR WILDCAT Grayburg-Jackson
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 23-17S-30E
16. NO. OF ACRES IN LEASE ARTESIA OFFICE		12. COUNTY OR PARISH Eddy
17. NO. OF ACRES ASSIGNED TO THIS WELL		13. STATE New Mexico
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		20. ROTARY OR CABLE TOOLS
19. PROPOSED DEPTH		22. APPROX. DATE WORK WILL START* December 1, 1974
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3,653' Gr.		

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	24#	1,470	350 sks
8"	4-1/2"	11.6; 10.5; 9.5	6,995	1,300 sks

P.B.T.D. 3,690' Perforations: 3,020 - 3,028'

Plan to set 4-1/2" C.I.B.P. @ 2,950'; dump 35' cement on top of B.P.; estimated P.B.T.D. 2,915'.

Perforate and treat Seven Rivers Zone for production.

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NOV 11 1974
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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 C. W. Downey, Jr. TITLE Operations Superintendent DATE Nov. 5, 1974
(This space for Federal or State office use)PERMIT NO. _____ APPROVAL DATE NOV 14 1974APPROVED BY [Signature] TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY: