

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☒

2. NAME OF OPERATOR

Astec Oil and Gas

3. ADDRESS OF OPERATOR

Drawer 570, Farmington, New Mexico

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

At surface

1000 FNL & 1810 FEL, Sec. 15, T-32N, R-12W

At proposed prod. zone

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 drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

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

6136 ground

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	10-3/4"	32	300	250 sx
9-7/8"	7-5/8"	24	4800	750 sx
6-5/8"	4-1/2"	10.5	7320	500 sx

Set 300 feet 10-3/4" surface casing and cement to surface (250 sx)

Set 4800 feet 7-5/8" intermediate casing through Cliff House and cement to surface (750 sx)

Gas drill to 7320 to test Dakota

Run 4 1/2" casing and cement with 250 sx. DV tool to be set at base of Mesaverde
and cement with 250 sx

Perforate Dakota section and sand water frac

Set bridge plug above Dakota

Perforate Mesaverde section and sand-water frac

Run 1 1/2" tubing with sliding sleeve and produce Dakota through tubing and Mesaverde
through casing

Proration Unit N/2 Sec 15 -- 320 acres

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout
preventer program, if any.

24.

ORIGINAL SIGNED BY JOE C. SALMON

SIGNED

TITLE

District Superintendent

DATE

June 1, 1966

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

5. LEASE DESIGNATION AND SERIAL NO.

078312

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Hubbard

9. WELL NO.

3

10. FIELD AND ZONE, OR WILDCAT

Mesaverde
Dakota11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec 15, T-32N, R-12W

12. COUNTY OR PARISH

13. STATE

San Juan

New Mexico

16. NO. OF ACRES IN LEASE

80

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

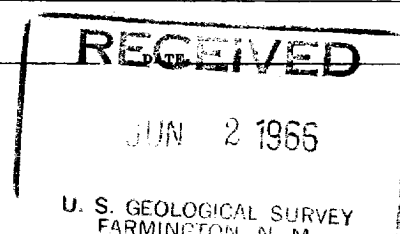
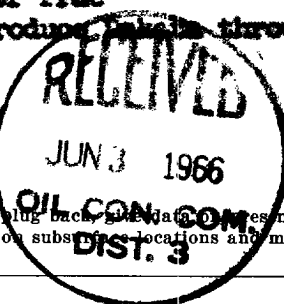
19. PROPOSED DEPTH

7320

20. ROTARY OR CABLE TOOLS

rotary

22. APPROX. DATE WORK WILL START*



Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the section.

Operator ARTEC OIL & GAS COMPANY			Lease Hubbard		Well No. 43
Unit Letter A	Section 15	Township 32 North	Range 12 West	County San Juan	
Actual Well Location of Well: 1000 feet from the North line and 1010 feet from the East line					
Ground Level Elev. 6136	Producing Formation Dakota-Mesaverde		Pool Basin Dakota Blanco Mesaverde		Dedicated Acreage 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation communitization

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

Aztec	Aztec 1000' 1010'	Fee Culpepper Martin et al	SF 078312
			

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

ORIGINAL SIGNED BY JOE C. SALMON

Name
Joe C. Salmon

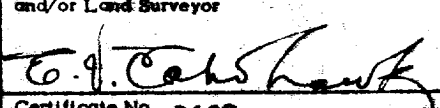
Position
District Superintendent

Company
Aztec Oil and Gas

Date
June 3, 1966

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
May 26, 1966

Registered Professional Engineer and/or Land Surveyor


Certificate No. **3602**