

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION
P. O. BOX 2000
SANTA FE, NEW MEXICO 87501

RECEIVED
MAY 20 1986
OIL CON. DIV.
DIST. 3

Form C-101
Revised 10-1-78

5A. Indicate Type of Lease

STATE ☐ FEE ☒

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. Unit Agreement Name	
2. Name of Operator Mesa Grande Resources, Inc.		8. Farm or Lease Name Hatley	
3. Address of Operator 1200 Philtower Building, Tulsa, OK. 74103		9. Well No. Hawkeye #1	
4. Location of Well UNIT LETTER I LOCATED 1650 FEET FROM THE South LINE AND 790 FEET FROM THE East LINE OF SEC. 23 TWP. 25N RGE. 2W NMPM		10. Field and Pool, or Wildcat GAVILAN Mancos	
21. Elevations (Show whether DF, RT, etc.) 7319' GR		22. Approx. Date Work will start June 21, 1986	
21A. Kind & Status Plug. Bond Statewide		21B. Drilling Contractor	
19. Proposed Depth 8075'		19A. Formation Dakota base	
20. Rotary or C.T. Rotary			

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/2"	8 5/8"	20# K-55	500'±	163 sx (196 ft³)	surf.
7 7/8"	5 1/2"	17# J-55	8075'±	2300 sx (2760 ft³)	2000'±

PROPOSED PROGRAM

- Proposed well will be drilled through the Dakota Formation and will evaluate the hydrocarbon potential of the Dakota, Graneros, Greenhorn, and Mancos zones. Completion program will be determined at total depth after log analysis.
- A BOP will be installed after surface casing is set and cemented. Prior to drilling out from under surface, BOP will be tested to 500 # S.P. All subsequent work will be conducted through BOP.
- Drilling mud will be low solid non-dispersed; 35-45 visc., 8.5-9.2 lbs.
- If well is found to be non-productive, all water zones and zones with hydrocarbon shows will be bridged and cemented prior to plugging the well.
- CEMENTING: 1st - T.D. to 6600'± 215 ft³ 65/35 Poz w/ 6% Gel, 1/4# D-29 cello flake and 10% salt. Tail in w/ 350 ft³ RFC. TOC 6500'±; 2nd - 6450' to 3800'± DV tool @ 6450' w/ 280 ft³ 65/35 Poz w/ 6% Gel, 1/4# D-29 cello flake and 10% salt. Tail in w/ 950 ft³ RFC. TOC 3800'±; 3rd - 3600' to 2000'± DV tool @ 3600' w/ 580 ft³ 65/35 Poz w/ 6% Gel, 1/4# D-29 cello flake, 10% salt. Tail in w/ 465 ft³ RFC.
- East Half of Section 23, T25N-R2W, is dedicated to this well

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Guyon R. Phillips Title Vice President Date May 16, 1986

(This space for State Use)

APPROVED BY Ernie Busch TITLE GEOLOGIST DISTRICT #3 DATE MAY 21 1986

CONDITIONS OF APPROVAL, IF ANY:

Held C-104 for
Drilling Permit

APPROVAL EXPIRES 11-21-86
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED

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

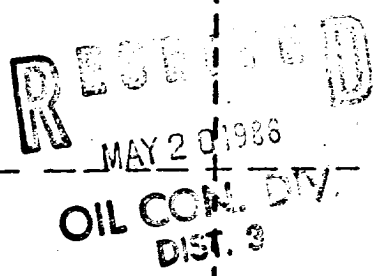
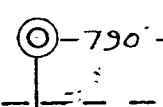
Operator Mesa Grande Resources Inc.		Lease Hawkeye		Well No. 1
Unit Letter I	Section 23	Township 25 North	Range 2 West	County Rio Arriba
Actual Footage Location of Well:				
1650	feet from the	South	line and	790
			feet from the	East
Ground Level Elev. 7319	Producing Formation Gallup	Pool Gavilan Mancos	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 Pending

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 Division.

		Mesa Grande, Ltd. 0.7125	
		Arriba Co. Ltd. 0.0375	
		Dugan Prod. Corp. 0.2500	
SEC. 23			
		M.G., Ltd 57/80	R&B 1/3
		Arriba Co. 3/80	HKW 1/3
		J. Fullerton	et al 1/3
		20/80	
			
		M.S.N.G. 1/2	
		D. Wagner 1/4	
		R. Gilliland	
		1650 1/4	

CERTIFICATION

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

Gregory R. Phillips
Name

Gregory R. Phillips

Position
Vice President

Company
Mesa Grande Resources, Inc.

Date
May 16, 1986


I hereby certify that the location shown on this plat was taken 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
April 30, 1986

Registered Professional Engineer
and/or Land Surveyor

Edgar L. Risen Hoover

Certificate No. 5979
Edgar L. Risen Hoover, L.S.

