

30-005-20923

UNITED STATES  
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.

NM-19611

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

McClellan "A" Federal Comm.

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Cedar Point-Strawn

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 27-T15S-R30E

12. COUNTY OR PARISH 13. STATE

Chaves New Mexico

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

Hilliard Oil & Gas, Inc.

3. ADDRESS OF OPERATOR

3000 N. Garfield Suite 120 Midland, Texas 79705

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

At surface  
800' FSL and 1840' FEL

At proposed prod. zone

Same

OIL & GAS

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

30 miles East of Hagerman, New Mexico

ROSWELL, NEW MEXICO

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)

560'

16. NO. OF ACRES IN LEASE

1360

17. NO. OF ACRES ASSIGNED TO THIS WELL

40 this lease (80 total)

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

1850'

19. PROPOSED DEPTH

10,800'

20. ROTARY OR CABLE TOOLS

Rotary

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

4059 GR

22. APPROX. DATE WORK WILL START\*

November 7, 1983

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48#	500'	550 Sx Class "C" Circulate
11"	8 5/8"	24# & 32#	3,300'	1100 Sx HL = 300 Sx "C" Circulate
7 7/8"	5 1/2"	17#	10,800'	500 Sx Class "H"

Mud Program:

- 0' - 500' Spud Mud, FW, Gel.
- 500' - 3,300' Brine and native mud, mud wt. 9.9-10.2 ppg, Vis. 29-33, no WL.
- 3,300' - 9,000' Cut brine and native mud, mud wt. 9.4-9.6 ppg, Vis. 29-33, no WL.
- 9,000' - 10,800' Mud up with salt water base, mud wt. 9.4-9.7 ppg., Vis. 36-43, WL 20 cc.

BOP Program:

Blowout preventer will consist of:

- 1 - Shaffer LWS Hydraulic double Series 900 will be installed at 3300' and tested to 2500#. The test pressure on the BOP is 6,000# and a working pressure of 3,000#.
- The blowout preventer will be tested daily. See Exhibit "E".

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*

Agent for:

Hilliard Oil & Gas, Inc.

DATE Oct. 10, 1983

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

*David A. Glass*  
*For Armando A. Lopez*

TITLE

*Chief, Branch of Fluids* 10-20-83

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

**CONSERVATION DIVISION**

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-102  
Revised 10-1-78

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

Operator <b>Hilliard Oil &amp; Gas</b>		Lease <b>McClellan A Fed. Com.</b>			Well No. <b>1</b>
Unit Letter <b>0</b>	Section <b>27</b>	Township <b>15 S.</b>	Range <b>30 E.</b>	County <b>Chaves</b>	
Actual Footage Location of Well: <b>800</b> feet from the <b>South</b> line and <b>1840</b> feet from the <b>East</b> line					
Ground Level Elev. <b>4059</b>	Producing Formation <b>Lower Strawn</b>		Pool <b>Cedar Point-Strawn</b>		Dedicated Acreage: <b>80</b> Acres

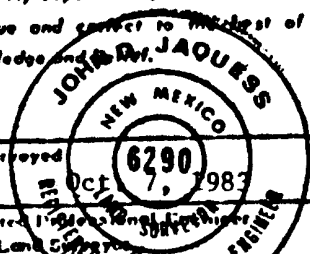
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is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

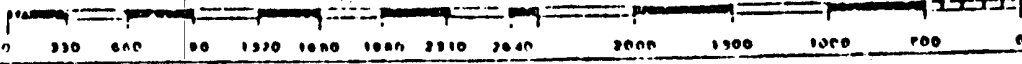
Yes     No    If answer is "yes," type of consolidation Communitization

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, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.

<b>Working Interest:</b>		
Hilliard Oil	54.6875 %	Sec. 27, T.15 S., R.30E, N.M.P.M.  NM-32408 Kathleen Cone  NM-19611
McClellan Oil	9.375	
Logo	7.8125	
New Mexico Oil	9.375	
Toles Co.	6.25125	
R. Patterson	6.25125	
R. L. Graham	3.12375	
Sue Graham	3.12375 %	
<b>Royalty Int.:</b>		
NM-19611		
McClellan Oil	25.00%	1840'  800'
R. Graham	8.33	
Sue Graham	8.33	
Toles Co.	16.67	
R. Patterson	16.67	
New Mexico Oil	25.00%	

<b>CERTIFICATION</b>	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Name	<i>George R. Smith</i>
Position	George R. Smith
Agent for:	
Company	Hilliard Oil & Gas, Inc.
Date	October 10, 1983
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	Oct 7, 1983
Registered Professional Engineer and/or Land Surveyor	<i>John D. Jaques</i>
Certificate No.	6290



WEK DRILLING CO., INC. - Rig 2  
BLOWOUT PREVENTER SPECIFICATION

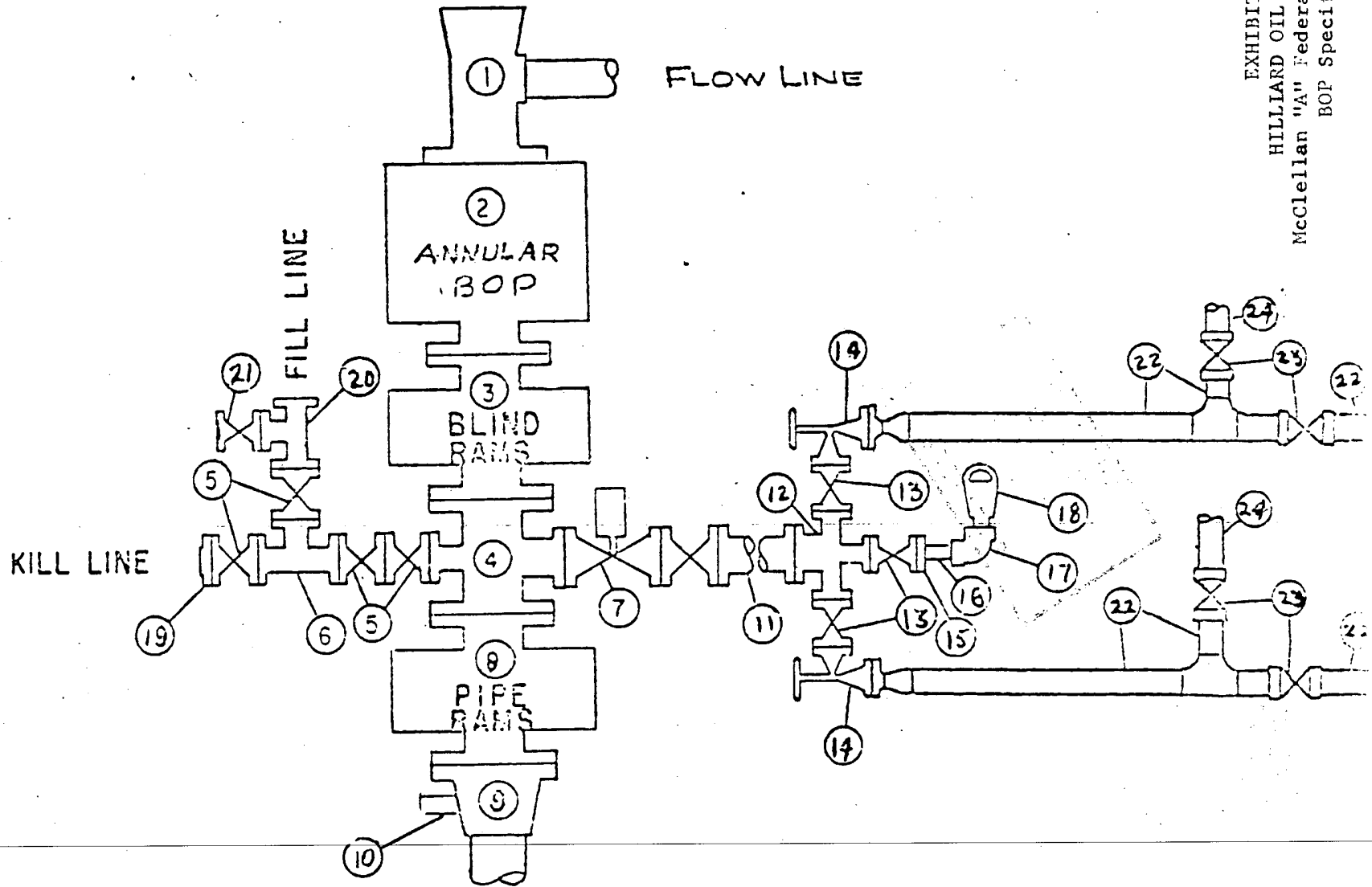


EXHIBIT "E"  
HILLIARD OIL & GAS, INC.  
McClellan "A" Federal Comm., Well No. 1  
BOP Specifications