

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

API # 30-037-20028

Form C-101
Revised 10-1-78

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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease
STATE ☒ FEE ☐

5. State Oil & Gas Lease No.
LG-5582

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"/>		7. Unit Agreement Name
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name Wichita-State
2. Name of Operator The Desana Corporation		9. Well No. 1
3. Address of Operator 600 Bldg. of the Southwest, Midland, Texas 79701		10. Field and Pool, or Wildcat Wildcat
4. Location of Well UNIT LETTER M LOCATED 660 FEET FROM THE West LINE AND 660 FEET FROM THE South LINE OF SEC. 36 TWP. 5-N RGE. 30-E NMPM		12. County Quay
19. Proposed Depth 7350		19A. Formation PENN
20. Rotary or C.T. Rotary		
21. Elevations (Show whether DF, KI, etc.) 4602.1 GL	21A. Kind & Status Plug. Bond 50,000 State Wide	21B. Drilling Contractor Moranco
22. Approx. Date Work will start November 10, 1982		

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17"	13 3/8"	48	350	400	Surface
12 1/2"	8 5/8"	24	1100	450	Surface
7 7/8"	4 1/2"	10.50	7350	1000	1100

Surface String: This string will be cemented w/400 sx Class "C" cement containing 2% CaCl. The volume is designed to circulate cement to surface. Cement volume is over 100% excess.

Intermediate String: This string will be cemented w/250 sx Halliburton Light cement containing 5# Gilsonite & 1/4# Flocele/sx, tailing in w/200 sx Class "C" neat cement. The volume or cement incorporates over 150% excess and is designed to circulate cement to surface.

Production String: This string will be cemented w/700 sx of Halliburton Light and 300 sx of 50-50 Incor Poz cement containing 12% salt & 1/2% CFR-2. This volume is designed to bring cement back to 1100' and incorporates over 25% excess.

Gas is not dedicated. BOP program is attached. PERMIT # 1-19-83

APPROVAL VALID FOR 90 DAYS
UNLESS DRILLING UNDERWAY

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 Tom R. Cook Title Production Superintendent Date October 18, 1982

(This space for State Use)

APPROVED BY Carl Wilcox TITLE DISTRICT SUPERVISOR DATE 10-21-82

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION COMMISSION TO BE NOTIFIED
WITHIN 24 HOURS OF BEGINNING OPERATIONS

COLLECT AND SACK SAMPLES FOR
NEW MEXICO BUREAU OF MINES, SOCORRO
AT AT LEAST TEN FOOT INTERVALS

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form No. 1
Revised 1-78

All distances must be from boundary line of the well.

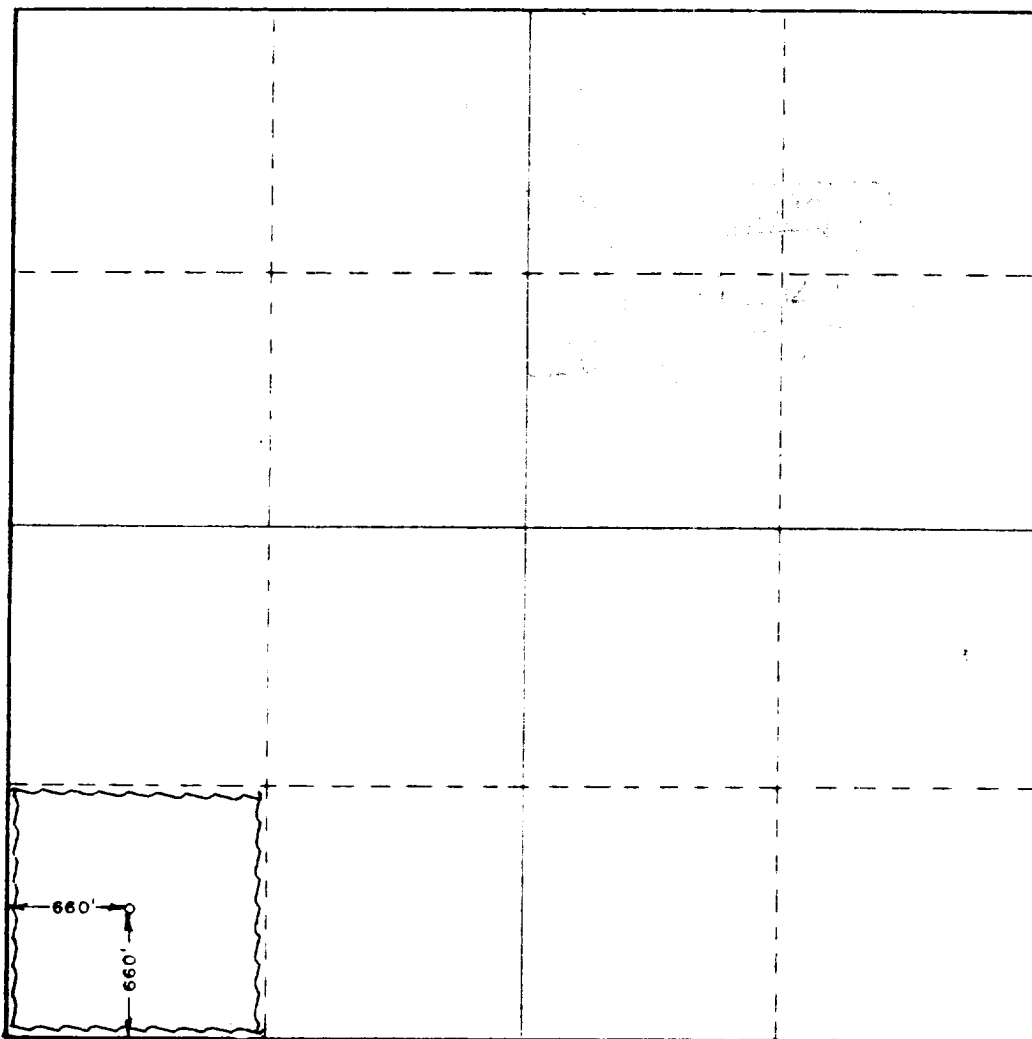
THE DESANA CORP.		WICHITA-STATE		1
M	36	5 NORTH	30 EAST	QUAY
660	SOUTH	660	WEST	
4602.1	Penn	Wildcat	40	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership (if not both as to working interest and royalty).
- 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 _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated (on 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.



CERTIFICATION

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

Tom R. Cook

Tom R. Cook

Position

Production Superintendent

Company

The Desana Corporation

Date

October 18, 1982

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

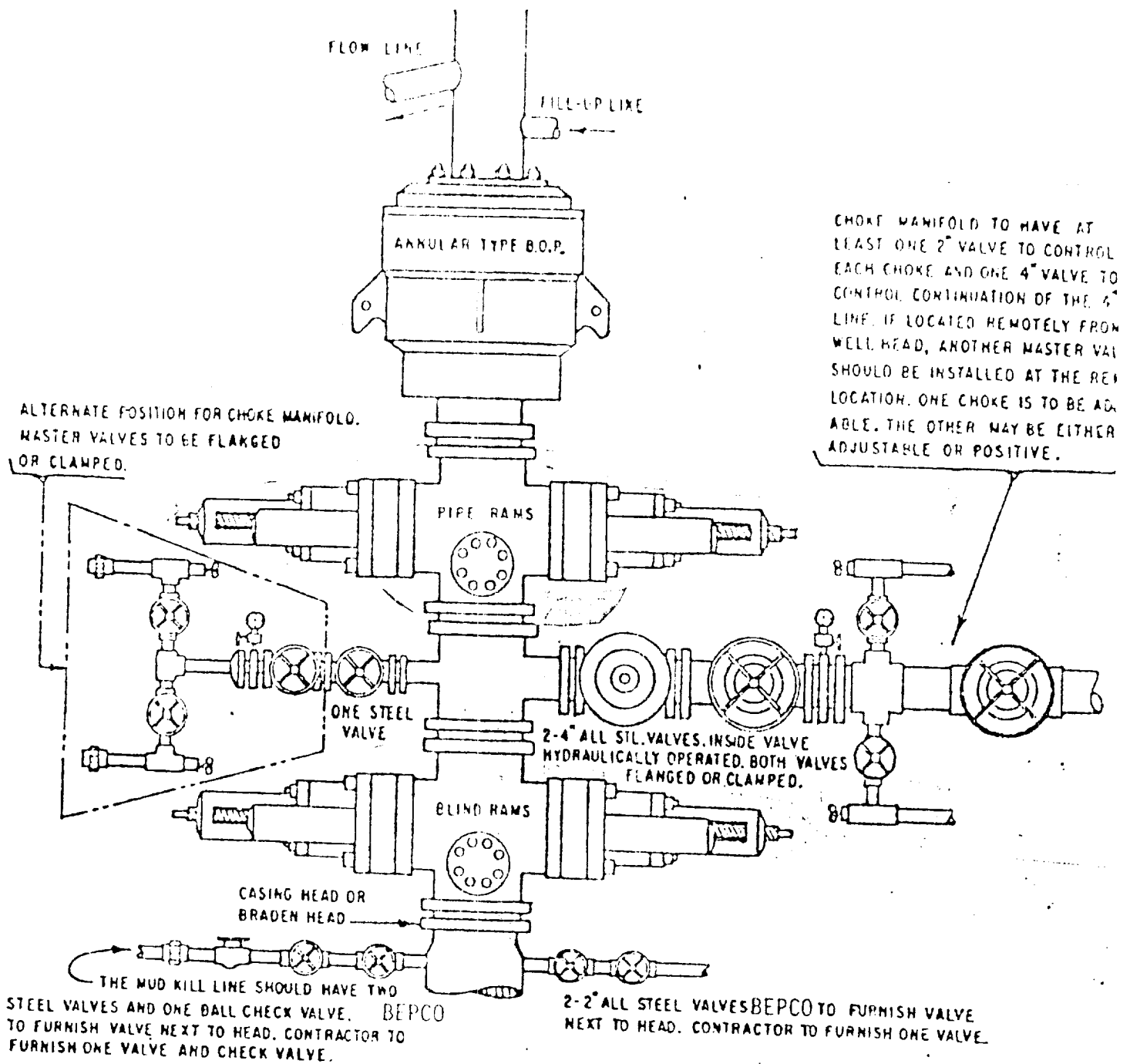
10/04/82

Registered Professional Engineer and Land Surveyor

John W. West

Certificate No. JOHN W. WEST 676
PATRICK A. ROMERO 6863
Ronald J. Eidson 3239

330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600



THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- A. CONDITIONS MAY BE MET BY AN ANNULAR TYPE BLOWOUT PREVENTER ON TOP AND A CHOKE SPOOL BELOW AND EITHER
 - (1) TWO RAM TYPE BLOWOUT PREVENTERS BELOW THE SPOOL, THE LOWER UNIT CONTAINING BLIND RAMS AND THE UPPER UNIT CONTAINING PIPE RAMS, OR
 - (2) A DUAL BLOWOUT PREVENTER BELOW THE SPOOL WITH BLIND RAMS ON BOTTOM AND PIPE RAMS ON TOP.
- B. OPENING ON CHOKE SPOOL TO BE FLANGED, STUDDED OR CLAMPED.
- C. ALL CONNECTIONS FROM OPERATING MANIFOLDS TO PREVENTERS TO BE ALL STEEL HOSE OR TUBE A MINIMUM OF ONE INCH IN DIAMETER.
- D. THE AVAILABLE CLOSING PRESSURE SHALL BE AT LEAST 15% IN EXCESS OF THAT REQUIRED WITH SUFFICIENT VOLUME TO OPERATE THE B.O.P.'s.
- E. ALL CONNECTIONS TO AND FROM PREVENTER TO HAVE A PRESSURE RATING EQUIVALENT TO THAT OF THE B.O.P.'s.
- F. MANUAL CONTROLS TO BE INSTALLED BEFORE DRILLING CEMENT PLUG.
- G. KELLY COCK TO BE INSTALLED ON KELLY.
- H. INSIDE BLOWOUT PREVENTER TO BE AVAILABLE ON RIG FLOOR.
- I. DUAL OPERATING CONTROLS ONE LOCATED BY DRILLERS POSITION AND THE OTHER LOCATED A SAFE DISTANCE FROM THE RIG FLOOR.

THREE CLOSURE HYDRAULIC BLOWOUT PREVENTERS

RECOMMENDED DRILLING FLUIDS PROGRAM

<u>DEPTH FEET</u>	<u>WEIGHT P.P.G.</u>	<u>VISCOSITY SEC/1000cc</u>	<u>FILTRATE API</u>	
0-350'	8.8-9.0	35-40	No Control	Spud with a Fresh Water Gel and Lime type fluid using Fiber for any seepage encountered.
350-1100'	8.6-8.8	28-29	No Control	Drill out of the surface casing circulating the reserve pit with fresh water pretreated with Paper and Multi Seal type loss circulation material. Use Lime for a 9 to 10 pH.
1100-4700'	8.9-9.1	28-29	No Control	Drill out of the intermediate casing circulating the reserve pit with controlled cut brine water using Lime for a 9 to 10 pH. Make additions of Paper and Multi Seal to help prevent loss of circulation.
4700-7350'	9.0-9.2	30-40	8-10	At 4700' mud up through the steel pits with Salt Water Gel and Starch. Mud weight, viscosity, and water loss may need altering if hole conditions dictate or for logging and DST's.
7350'	9.0-9.2	40-45	5-8	At T. D. and before running logs, DST's or production casing, raise the viscosity to 40 sec/1000 cc's and reduce the water loss to less than 8 cc's.