

RECEIVED BY
Form 3160-3
(November 1983)
APR 18 1985
O. C. D.

MINERAL COMMISSION
Artesia, NM 88210
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN _____ LICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985
30-015-25265

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
PENTA EXPLORATION COMPANY (Mr. Ric Bell)
(915-687-0143)

3. ADDRESS OF OPERATOR
310 W. Texas (Suite 210), Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 572' FNL & 1715' FNL of Section
At proposed prod. zone FWL (Unit C)
same (NE 1/4 NW 1/4)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
30 air miles south-southeast of Carlsbad, New Mexico

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
572' (450')

16. NO. OF ACRES IN LEASE
640

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1438'

19. PROPOSED DEPTH
6500' Delaware

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3008' G.L.

22. APPROX. DATE WORK WILL START*
April 24, 1985

5. LEASE DESIGNATION AND SERIAL NO.
L.C. 061497

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
--

7. UNIT AGREEMENT NAME
--

8. FARM OR LEASE NAME
GULF FEDERAL

9. WELL NO.
3

10. FIELD AND POOL, OR WILDCAT
Brushy Draw Delaware

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 13-26S-29E

12. COUNTY OR PARISH
Eddy

13. STATE
NM

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"	48.0#	400'	Sufficient to circulate
11 "	8 5/8"	24 & 32#	3150'	Circulate back into Salt Sec.
7 7/8"	5 1/2"	14 & 15.5#	6500'	Circulate back into 8 5/8" Csg.

Pay zone will be selectively perforated and stimulated as needed for optimum production.

- Attached are:
1. Well Location & Acreage Dedication Plat
 2. Supplemental Drilling Data
 3. Surface Use Plan

BUREAU OF LAND MANAGEMENT
RECEIVED
APR 08 1985
DIST. 6 N.M.
Carlsbad, New Mexico
Packed 101
APR 10 1985
4-26-85

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 James A. Knaut TITLE Agent DATE April 4, 1985
(This space for Federal or State office use)

PERMIT NO. Orig: Sgd: Charles S. Dehlan APPROVAL DATE _____
APPROVED BY Area Manager TITLE _____ DATE 4-17-85
CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions On Reverse Side

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

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

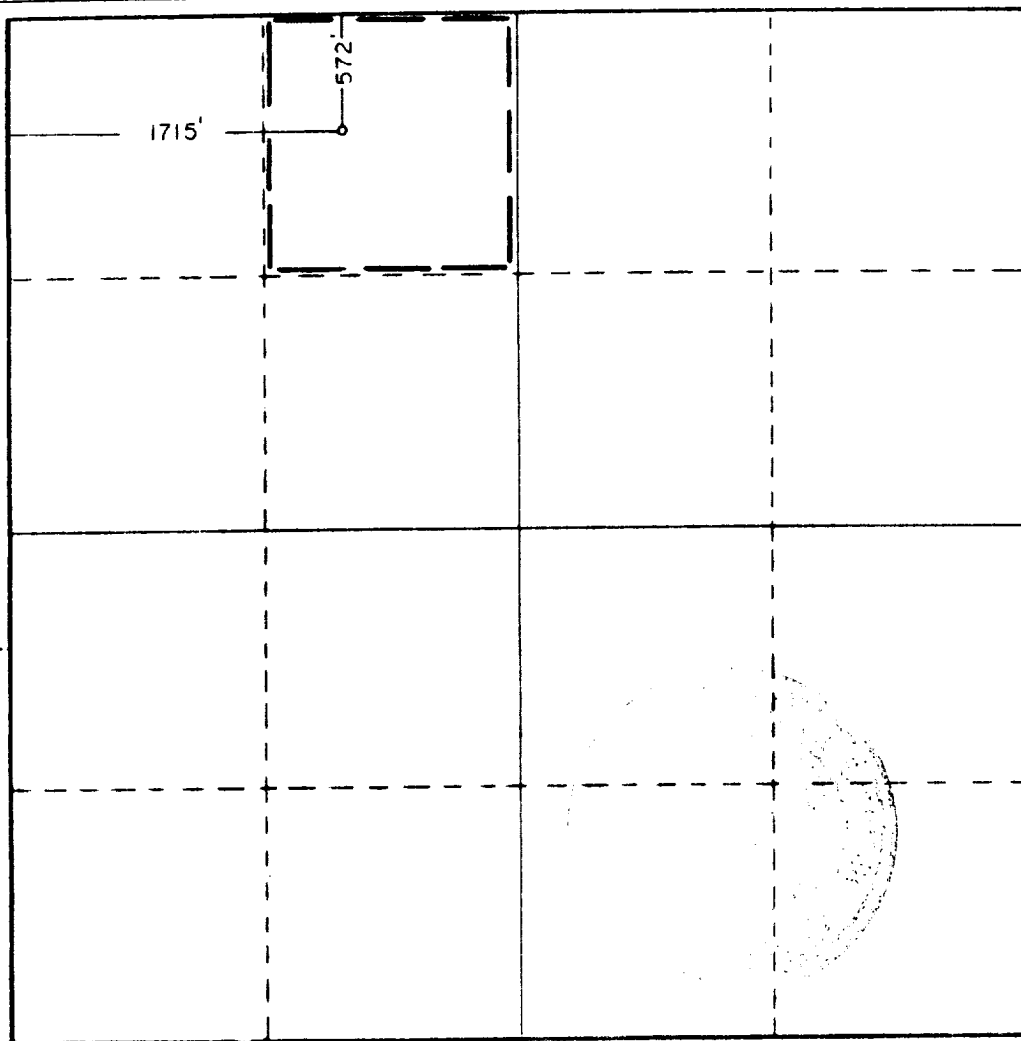
Operator PENTA EXPLORATION			Lease GULF FEDERAL		Well No. 3
Unit Letter C	Section 13	Township 26S	Range 29E	County EDDY	
Actual Footage Location of Well:					
572 feet from the NORTH line and		1715 feet from the WEST line			
Ground Level Elev. 3007.9	Producing Formation Delaware Mountain Group	Pool Brushy Draw Delaware	Dedicated Acreage: 40 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 _____

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.



CERTIFICATION

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

James A. Knauf
 Name

James A. Knauf

Position
Agent

Company
PENTA EXPLORATION CO.

Date
April 5, 1985

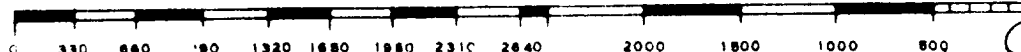
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
4/3/85

Registered Professional Engineer and/or Land Surveyor

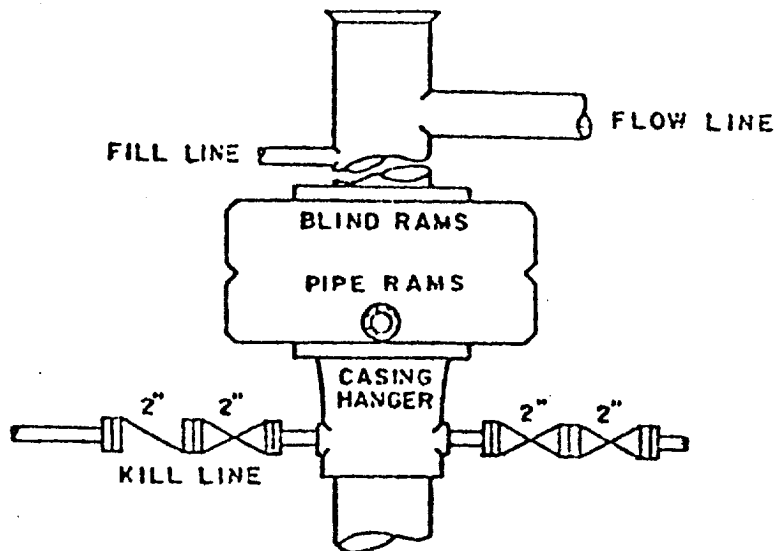
Ronald J. Eidson

Certificate No. **JOHN W. WEST, 676**
RONALD J. EIDSON, 3239



BLOWOUT PREVENTER ARRANGEMENT

Penta Exploration Company
Well #3 Gulf Federal
NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 13-26S-29E



900 Series

SUPPLEMENTAL DRILLING DATA

PENTA EXPLORATION COMPANY
WELL #3 GULF FEDERAL
NE $\frac{1}{4}$ NW $\frac{1}{4}$ SEC. 13-26S-29E
EDDY COUNTY, NEW MEXICO

1. SURFACE FORMATION: Unconsolidated soils of Quaternary Age.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS (G.L. Elevation 3008'):

Base Lower Salt	2950'	Cherry Canyon	4100'
Delaware Lime	3150'	Brushy Canyon	5250'
Delaware Sand	3185'	Bone Springs	7000'

3. POSSIBLE HYDROCARBON BEARING ZONES:

Bell Canyon: Oil & gas
Cherry Canyon: Oil
Brushy Canyon: Oil

4. CASING DESIGN:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
13 3/8"	0 - 400'	48.0#	H-40	STC
8 5/8"	0 - 2400'	24.0#	J-55	STC
	2400 - 3150'	32.0#	J-55	STC
5 1/2"	0 - 5400'	14.0#	J-55	STC
	5400 - 6500'	15.5#	J-55	STC

5. PRESSURED CONTROL EQUIPMENT: Two Ram-Type Preventors. A sketch of BOP stack is attached.

6. CIRCULATING MEDIUM:

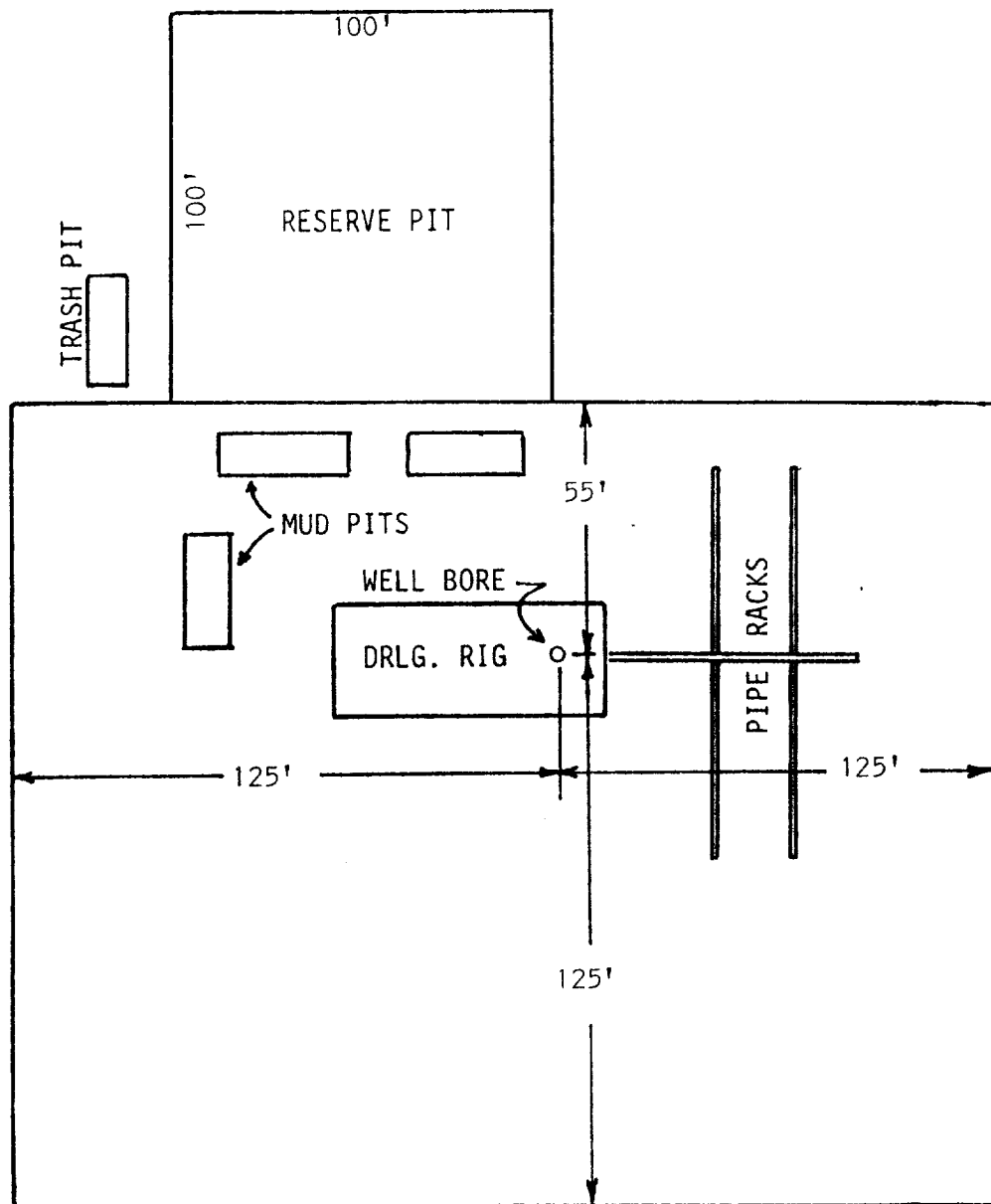
0 - 400' Fresh water with gel or lime as needed for viscosity.
400 - 3150' Brine
3150 - 6000' Cut brine conditioned as necessary for control of viscosity and water loss.

7. AUXILIARY EQUIPMENT: Drill string safety valve.

8. TESTING, LOGGING AND CORING PROGRAMS: No coring or DST's are planned. Electric logs will include a Compensated Neutron Log with Gamma Ray.

9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: None anticipated.

10. ANTICIPATED STARTING DATE: It is planned that operations will commence about April 24, 1985. Duration of drilling, completion and testing operations should be two to six weeks.



SUP Exhibit "D"
 SKETCH OF WELL PAD
 Penta Exploration Company
 Well #3 Gulf Federal
 NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 13-26S-29E