Form 3160-3
(July 1992)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.: NM-97864

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER 6137 SINGLE ZONE [XX] MULTIPLE ZONE [ ]

8. FARM OR LEASE NAME, WELL NO.: F.H."33" "N" FED. COM. 1

2. NAME OF OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P.

405-552-4595 WALLY FRANK

9. API WELL NO.: 30-015-32232

3. ADDRESS AND TELEPHONE NO.: 20 NORTH BROADWAY, SUITE 1500
OKLAHOMA CITY, OKLAHOMA 73102-8260

10. FIELD AND POOL, OR WILDCAT: CARLSBAD SOUTH-MORROW

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 760' FSL & 1980' FWL SEC. 33 T23S-R26E EDDY CO. NM
UNIT "N"
At proposed prod. zone: SAME

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SEC. 33 T23S-R26E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Approximately 10 miles Southwest of Carlsbad New Mexico

12. COUNTY OR PARISH: EDDY CO.

13. STATE: NEW MEXICO

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
760'	320	320
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
NA	12,100'	ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 3395' GR.

22. APPROX. DATE WORK WILL START*: NOVEMBER 2001

23.

PROPOSED CASING AND CEMENTING PROGRAM

Carlsbad Controlled Water Basin

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
25"	Conductor	NA	40'	Cement to surface with Redi-mix
17½"	H-40 13 3/8"	48	~~450~~ 575'	450 Sx. Circulate to surface
12¼"	J-55 9 5/8"	36	2000'	750 Sx. " " "
8 3/4"	L-80 5½"	20 & 17	12,100'	2000 Sx. Est.top C. 4500'

1. Drill 25" hole to 40'. Set 40' Of 20" conductor and cement to surface with Redi-mix.
2. Drill 17½" hole to ~~450~~ 575'. Run and set ~~450~~ 575' of 13 3/8" 48# H-40 ST&C casing. Cement with 450 Sx. of Class "C" cement + 2% CaCl + ¼# Flocele/Sx. circulate to surface.
3. Drill 12¼" hole to 2000'. Run and set 2000' of 9 5/8" 36# J-55 ST&C casing. Cement with 750 Sx. of Class "C" cement + 2% CaCl, + ¼# Flocele/Sx. circulate to surface.
4. Drill 8 3/4" hole to 12,100'. Run and set 5½" casing as follows: 4400' of 5½" 20# L-80 LT&C, 5700' of 5½" 17# L-80 LT&C, 2000' of 5½" 20# L-80 LT&C. Cement in two stages. Cement 1st stage with 1000 Sx. of Class "H" Premium Plus cement + additives, cement 2nd stage with 1000 Sx. of Class "H" Premium Plus + additives. Estimate top of cement 4500'.

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 Joe T Janica TITLE Agent DATE 09/17/01

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY /S/ JOE G. LARA ACTING TITLE FIELD MANAGER DATE MAR 08 2002

*See Instructions On Reverse Side

APPROVAL FOR 1 YEAR

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
	73960	CARLSBAD SOUTH - MORROW (PRO)

Property Code	Property Name	Well Number
	F.H. "33" "N" FEDERAL COM.	1

OGRID No.	Operator Name	Elevation
6137	DEVON ENERGY PRODUCTION COMPANY L.P.	3395'

Surface Location

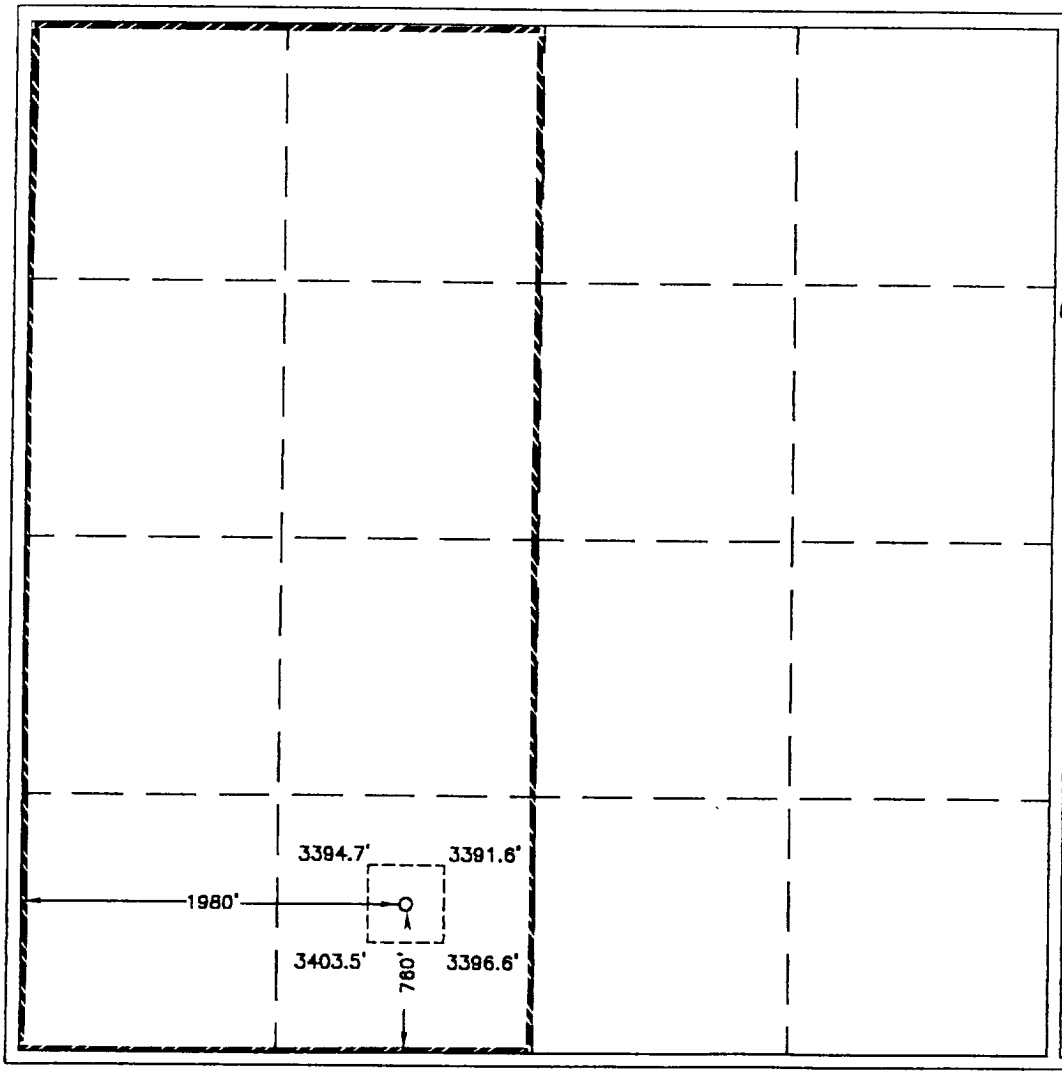
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	33	23-S	26-E		760	SOUTH	1980	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

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

Joe T. Janica
Signature

Joe T. Janica
Printed Name

Agent
Title

09/17/01
Date

SURVEYOR CERTIFICATION

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 supervison, and that the same is true and correct to the best of my belief.

JUNE 27, 2001
Date Surveyed AWB

Signature & Seal of Professional Surveyor

RONALD J. EIDSON NEW MEXICO 3239

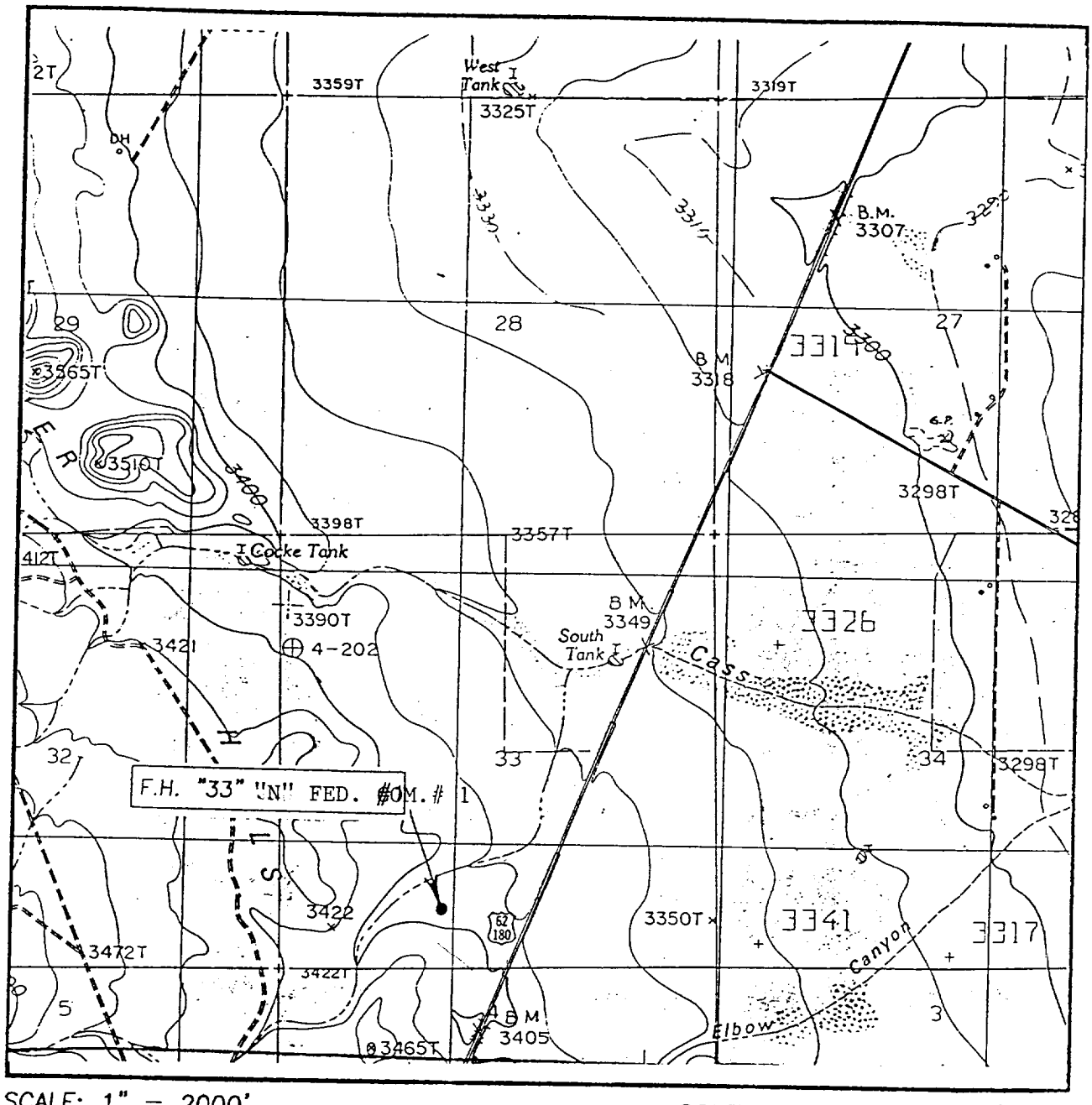
Gary L. Eidson 12641 7/2/01

01-11-0790

Certificate No. RONALD J. EIDSON 3239
GARY EIDSON 12641

EXHIBIT "A"

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 20'

KITCHEN COVE, N.M.

SEC. 33 TWP. 23-S RGE. 26-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 760' FSL & 1980' FWL

ELEVATION 3395'

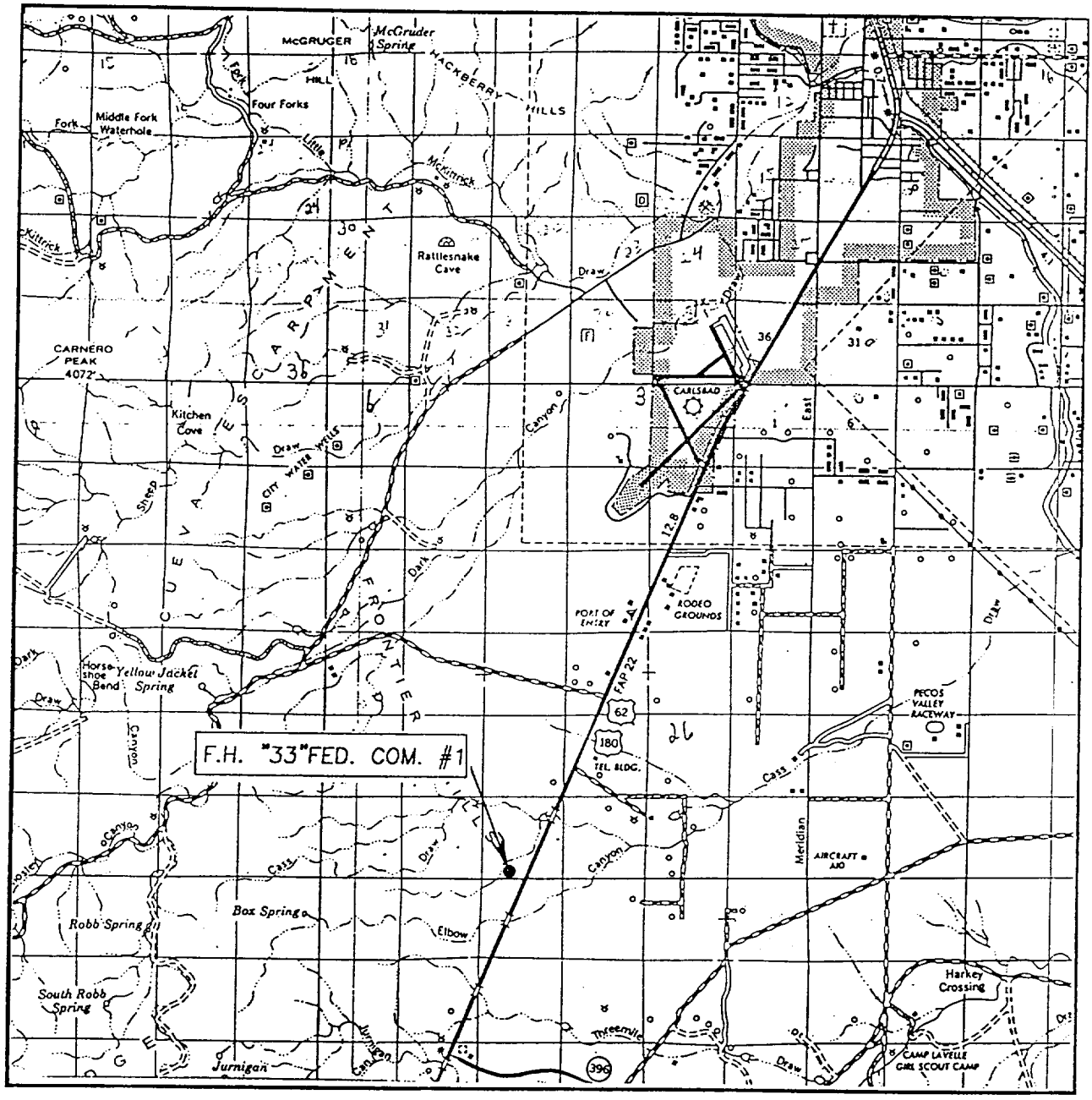
OPERATOR DEVON ENERGY PRODUCTION CO. L.P.

LEASE F.H. "33" "N" FEDERAL COM. # 1

U.S.G.S. TOPOGRAPHIC MAP
KITCHEN COVE, N.M.

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 33 TWP. 23-S RGE. 26-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 760' FSL & 1980' FWL

ELEVATION 3395'

OPERATOR DEVON ENERGY PRODUCTION CO. L.P.

LEASE F.H. "33" "N" FEDERAL COM. # 1

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117

Well name:	**FH 33 "N" Fed. Com. #1**
Operator:	**Devon Energy Production Company L.P.**
String type:	Surface
Location:	Sec. 33, T23S, R26E, Eddy Co. NM

Design parameters:

Collapse

Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Surface pressure: 200 psi

Burst

Max anticipated surface pressure: 257 psi
Internal gradient: 0.000 psi/ft
Calculated BHP 257 psi

Annular backup: 8.40 ppg

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.80 (J)
Buttress:	1.60 (J)
Premium:	1.50 (J)
Body yield:	1.60 (B)

Tension is based on air weight.
Neutral point: 395 ft

Environment:

H2S considered?	No
Surface temperature:	80 °F
Bottom hole temperature:	84 °F
Temperature gradient:	0.80 °F/100ft
Minimum section length:	450 ft
Minimum Drift:	2.250 in

Non-directional string.

Re subsequent strings:

Next setting depth:	2,000 ft
Next mud weight:	8.400 ppg
Next setting BHP:	873 psi
Fracture mud wt:	11.000 ppg
Fracture depth:	450 ft
Injection pressure	257 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	450	13.375	48.00	H-40	ST&C	450	450	12.59	5581

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	396	740	1.87	257	1730	6.73	21.6	322	14.91 J

Prepared by: W.M. Frank
Devon Energy
Phone: (405) 552-4595
FAX: (405) 552-4621

Date: September 2,2001
Oklahoma City, Oklahoma

Remarks:
Collapse is based on a vertical depth of 450 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	**FH 33 "N" Fed. Com. #1**
Operator:	**Devon Energy Production Company L.P.**
String type:	Intermediate
Location:	Sec. 33, T23S, R26E, Eddy Co. NM

Design parameters:

Collapse

Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Surface pressure: 400 psi

Burst

Max anticipated surface pressure: 1,143 psi
Internal gradient: 0.000 psi/ft
Calculated BHP 1,143 psi

Annular backup: 8.40 ppg

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.80 (J)
Buttress:	1.60 (J)
Premium:	1.50 (J)
Body yield:	1.60 (B)

Tension is based on air weight.
Neutral point: 1,751 ft

Environment:

H2S considered?	No
Surface temperature:	80 °F
Bottom hole temperature:	96 °F
Temperature gradient:	0.80 °F/100ft
Minimum section length:	450 ft
Minimum Drift:	8.750 in

Non-directional string.

Re subsequent strings:

Next setting depth:	12,100 ft
Next mud weight:	10.500 ppg
Next setting BHP:	6,600 psi
Fracture mud wt:	11.000 ppg
Fracture depth:	2,000 ft
Injection pressure	1,143 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	2000	9.625	36.00	J-55	ST&C	2000	2000	8.796	17384

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	1273	2020	1.59	1143	3520	3.08	72	394	5.47 J

Prepared by: W.M. Frank
Devon Energy
Phone: (405) 552-4595
FAX: (405) 552-4621
Date: September 2,2001
Oklahoma City, Oklahoma

Remarks:
Collapse is based on a vertical depth of 2000 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name: **FH 33 "N" Fed. Com. #1**
Operator: **Devon Energy Production Company L.P.**
String type: Production
Location: Sec. 33, T23S, R26E, Eddy Co. NM

Design parameters:

Collapse
Mud weight: 6.400 ppg
Design is based on evacuated pipe.

Surface pressure: 2,550 psi

Burst
Max anticipated surface pressure: 4,023 psi
Internal gradient: 0.000 psi/ft
Calculated BHP 4,023 psi

Annular backup: 10.40 ppg

Packer fluid details:
Fluid density: 8.500 ppg
Packer depth: 11,500 ft

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 11,010 ft

Estimated cost: 83,845 ($)

Environment:
H2S considered? No
Surface temperature: 80 °F
Bottom hole temperature: 177 °F
Temperature gradient: 0.80 °F/100ft
Minimum section length: 450 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
3	2000	5.5	20.00	L-80	LT&C	2000	2000	4.653	14916
2	5700	5.5	17.00	L-80	LT&C	7700	7700	4.767	36115
1	4400	5.5	20.00	L-80	LT&C	12100	12100	4.653	32814

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
3	3215	7247	2.25	4023	9190	2.28	224.9	416	1.85 J
2	5110	5784	1.13	3825	7740	2.02	184.9	338	1.83 J
1	6573	8830	1.34	3263	9190	2.82	88	416	4.73 J

Prepared by: W.M. Frank
Devon Energy
Phone: (405) 552-4595
FAX: (405) 552-4621
Date: September 2,2001
Oklahoma City, Oklahoma

Remarks:
Collapse is based on a vertical depth of 12100 ft, a mud weight of 6.4 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

APPLICATION TO DRILL

ON ENERGY PRODUCTION COMPANY L...
F.H. "33" "N" FEDERAL COM. # 1
UNIT "N" SECTION 33
T23S-R26E EDDY CO. NM

In response to questions asked under Section II B of Bulletin NTL-6 the following information is provided for your consideration:

1. Location: 1980' FWL & 760' FSL SEC 33 T23S-R26E EDDY CO. NM
UNIT "N"

2. Elevation above sea level: 3395' GR.

3. Geologic name of surface formation: Quaternery Aeolian Deposits.

4. Drilling tools and associated equipment: Conventional rotary drilling rig using fluid as a circulating medium for solids removal.

5. Proposed drilling depth: 12,100'

6. Estimated tops of geological markers:

Delaware Sand	1850'	Strawn	10,174
Bone Spring	5145'	Atoka	10,650'
Wolfcamp	8695'	Morrow	11,100'

7. Possible mineral bearing formation:

Bone Spring	Oil	Atoka	Gas
Wolfcamp	Gas	Morrow	Gas
Strawn	Gas		

8. Casing program:

Hole size	Interval	OD of casing	Weight	Thread	Collar	Grade
25"	0-40	20"	NA	NA	NA	Conductor
17½"	0-450'	13 3/8"	48	8-R	ST&C	H-40
12¼"	0-2000'	9 5/8"	36	8-R	ST&C	J-55
8 3/4"	0-12,100'	5½"	20 & 17	8-R	LT&C	L-80

APPLICATION TO DRILL

DEVON ENERGY PRODUCTION COMPANY L.P.
F.H. "33" "N" FEDERAL COM. # 1
UNIT "N" SECTION 33
T23S-R26E EDDY CO. NM

9. CEMENTING & SETTING DEPTH:

20"	Conductor	Set 40' of 20" conductor pipe and cement to surface with Redi-mix
13 3/8"	Surface	Set 450' of 13 3/8" 48# H-40 ST&C casing. Cement with 450 Sx. of Class "C" cement + 2% CaCl + ¼# Flocele/Sx. circulate cement to surface.
9 5/8"	Intermediate	Set 2000' of 9 5/8" 36# J-55 ST&C casing. Cement with 750 Sx. of Class "C" cement + 2% CaCL + ¼# Flocele/Sx. Circulate cement to surface.
5½"	Production	Set 12,100' of 5½" casing as follows" 4400' of 5½" 20# L-80 LT&C, 5700' of 5½" 17# L-80 LT&C, 2000' of 5½" 20# L-80 LT&C. Cement in two stages with 2000 Sx. of Class "H" Premium Plus cement + additives estimate top of cement 4500'.

10. PRESSURE CONTROL EQUIPMENT: Exhibit "E" shows a 1500 Series 5000 PSI working pressure B.O.P. consisting of an annular bag type preventor, middle blind rams and bottom pipe rams. The B.O.P. will be nippled up on the 13 3/8" casing and tested to API specifications. The B.O.P. will be operated at least once in each 24 hour period and the blind rams will be operated when drill pipe is out of hole on trips. Full opening stabbing valve and upper kelly cock will be utilized. Exhibit "E-1" shows a hydraulically operated closing unit and a 2" 5000 PSI choke manifold with dual adjustable chokes. No abnormal pressures or temperatures are expected.

11. PROPOSED MUD CIRCULATING SYSTEM:

DEPTH	MUD WT.	VISC.	FLUID LOSS	TYPE MUD SYSTEM
40-450'	8.4-8.7	29-32	NC	Fresh water add paper to control seepage.
450-2000'	10.0-10.2	29-36	NC	Brine water add paper to control seepage and Soda Ash to control pH.
2000-10,000	10.2-10.4	29-38	NC	Same as above using high viscosity sweeps to clean hole.
10,000-12,100'	10.2-10.4	32-38	10 cc or Less	Brine water system using Dris-Pac system to control water loss and high viscosity sweeps to clean hole.

Sufficient mud materials will be kept on location at all times in order to combat lost circulation, or unexpected kicks. In order to run DST's , open hole logs, and casing viscosity and/or water loss may have to be adjusted to meet these needs.

12. Testing, Logging and Coring Program:

A. Open hole logs: Dual Laterolog, SNP, LDT, BHC, Gamma Ray Caliper from TD back to 2000'

B. Run cased hole log Gamma Ray, Neutron from 2000' to surface.

C. Mud logger may be placed on hole st the dictate of Geologist.

D. Cores & DST's may be taken as shows and drilling breaks deemed important.

13. Potential Hazards:

No abnormal pressures or temperatures are expected. Hydrogen Sulfide gas may be encountered, H_2S detectors will be in place to detect any presence. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation of equipment being used. Estimated BHP 6000 PSI, estimated BHT 190° .

14. Anticipated Starting Date and Duration of Operation:

Road and location construction will begin after BLM approval of APD. Anticipated spud date as soon as approved. Drilling expected to take 40 days. If production casing is run an additional 30 days will be required to complete and construct surface facilities.

15. Other Facets of Operations:

After running casing, cased hole gamma ray neutron collar logs will be run from total depth over possible pay intervals. The Morrow pay will be perforated and stimulated. The well will be swab tested and potentialed as a gas well.

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

1. All Company and Contract personnel admitted on location must be trained by a qualified H_2S safety instructor to the following:

   A. Characteristics of H_2S
   B. Physical effects and hazzards
   C. Proper use of safety equipment and life support systems.
   D. Principle and operation of H_2S detectors, warning system and briefing areas.
   E. Evacuation procedure, routes and first aid.
   F. Proper use of 30 minute pressure demand air pack.

2. H_2S Detection and Alarm Systems

   A. H_2S detectors and audio alarm system to be located at bell nipple, end of blooie line (mud pit) and on derrick floor or doghouse.

3. Windsock and/or wind streamers

   A. Windsock at mudpit area should be high enough to be visible.
   B. Windsock at briefing area should be high enough to be visible.
   C. There should be a windsock at entrance to location.

4. Condition Flags and Signs

   A. Warning sign on access road to location.
   B. Flags to be displayed on sign at entrance to location. Green flag, normal safe condition. Yellow flag indicates potential pressure and danger. Red flag, danger, H_2S present in dangerous concentration. Only emergency personnel admitted to location.

5. Well control equipment

   A. See exhibit "E" & "E-1"

6. Communication

   A. While working under masks chalkboards will be used for communication.
   B. Hand signals will be used where chalk board is inappropriate.
   C. Two way radio will be used to communicate off location in case of emergency help is required. In most cases cellular telephoned will be available at most drilling foreman's trailer or living quarters.

7. Drillstem Testing

   A. Exhausts will be watered.
   B. Flare line will be equipped with an electric ignitor or a propane pilot light in case gas reaches the surface.
   C. If the location is near to a dwelling a closed DST will be performed.

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

8. Drilling contractor supervisor will be required to be familiar with the effects H_2S has on tubular goods and other mechanical equipment.

9. If H_2S is encountered, mud system will be altered if necessary to maintain control of formation. A mud gas seperator will be brought into service along with H_2S scavengers if necessary.

1. EXISTING ROADS: Area maps, Exhibit "B" is a reproduction of a County General Highway Map. Exhibit "C" is a reproduction of a USGS Topographic Map, showing existing roads and proposed roads. All existing roads will be maintained in a condition equal to or better than current conditions. Any new roads will be constructed to BLM specifications.

   A. Exhibit "A" shows the proposed well site as staked.

   B. From Carlsbad New Mexico take U.S. Hi-way 180 Southwest past the airport from the airport go 6.3± miles . Turn right on to a lease road go 1000'± and location is on the East side of road.

   C. Lay gas sales line along road R-O-W to meter run.

2. PLANNED ACCESS ROADS: None required.

   A. The access road will be crowned and ditched to a 12'00" wide travel surface with a 40' right-of-way.

   B. Gradient on all roads will be less than 5.00%.

   C. Turn outs will be constructed where necessary.

   D. If needed, road will be surfaced with a minimum of 4" of caliche. This material will be obtained from a local source.

   E. Centerline for the new access road has been flagged. Earthwork will be as required by field conditions.

   F. Culverts in the access road will not be used. The road will be constructed to utilize low water crossings for drainage as required by the Topography.

3. LOCATION OF EXISTING WELLS IN A ONE-MILE RADIUS EXHIBIT "A-1"

A. Water wells	-	None known
B. Disposal wells	-	None known
C. Drilling wells	-	None Known
D. Producing wells	-	As shown on Exhibit "A-1"
E. Abandoned wells	-	As shown on Exhibit "A-1"

4. If this well is completed as a gas well Exhibit "F" shows a similar surface production facility that will be constructed on the location in order to produce this well.

5. LOCATION AND TYPE OF WATER SUPPLY

Water will be purchased locally from a commercial source and trucked over the access roads or piped in flexible lines laid on top of the ground.

6. SOURCE OF CONSTRUCTION MATERIALS

If needed, construction materials will be obtained from the drill site's excavations or from a local source. These materials will be transported over the access route as shown on Exhibit "C".

7. METHODS FOR HANDLING WASTE DISPOSAL

A. 1. Drill cuttings will be disposed of in the reserve pit.

2. All trash, junk and other waste material will be contained in trash cages or bins to prevent scattering. When the job is completed all contents will be removed and deposited in an approved sanitary landfill.

3. Salts remaining after completion of the well will be picked up by the supplier, including broken sacks.

4. Sewage from trailer houses will drain into holes with minimum depth of 10'00". These holes will be covered during drilling and backfilled upon completion. A "porta John" will be provided for the rig crews. This will be properly maintained during the drilling operations and removed upon completion of the well.

B. Remaining drilling fluids will be allowed to evaporate in the reserve pit until the pit is dry enough for backfilling. In the event drilling fluids will not evaporate in a reasonable period of time they will be transported by tank truck to a state approved disposal site. Pits will then be broken out to speed drying.

Water produced during testing of the well will be disposed of in the reserve pit. Oil produced during testing of the well will be stored in test tanks until sold and hauled from the site.

8. ANCILLARY FACILITIES

No camps or airstrips will be constructed.

9. WELL SITE LAYOUT

A. Exhibit "D" shows the proposed well site layout.

B. This exhibit indicated proposed location of reserve and sump pits and living facilities.

C. Mud pits in the active circulating system will be steel pits & the reserve pit is proposed to be unlined unless subsurface condition encountered during pit construction indicate that lining is needed for lateral containment of fluids.

D. If needed, the reserve pit is to be lined with polyethelene. The pit liner will be 6 mils thick. Pit liner will extend a minimum 2'00" over the reserve pits dikes where the liner will be anchored down.

E. The reserve pit will be fenced on three sides with four strands of barbed wire during drilling and completion phases. The fourth side will be fenced after all drilling operations have ceased. If the well is a producer, the reserve pit fence will be torn down. The reserve pit and those areas of the location not essential to production facilities will be reclaimed and seeded per BLM requirements.

10. PLANS FOR RESTORATION OF SURFACE

Rehabilitation of the location and reserve pit will start in a timely manner after all drilling operations cease. The type of reclamation will depend on whether the well is a producer or a dry hole.

However, in either event, the reserve pit will be allowed to dry properly, and fluid removed and disposed of in accordance with Article 7.B as previously noted. The pit area will then be leveled and contoured to conform to the original and surrounding area. Drainage systems, if any, will be reshaped to the original configuration with provisions made to alleviate erosion. These may need to be modified in certain circumstances to prevent inundation of the location's pad and surface facilities. After the area has been shaped and contoured, topsoil from the spoil pile will be placed over the disturbed area to the extent possible. Revegetation procedures will comply with BLM standards.

If the well is a dry hole, the pad and road area will be contoured to match the existing terrain. Topsoil will be spread to the extent possible. Revegetation will comply with BLM standards.

Should the well be a producer, the previously noted procedures will apply to those areas which are not required for production facilities.

SURFACE USE PLAN

DEVON ENERGY PRODUCTION COMPANY L.P.
F.H. "33" "N" FEDERAL COM. # 1
UNIT "N" SECTION 33
T21S-R26E EDDY CO. NM

11. OTHER INFORMATION:

A. Topography consists of a low relief flood plain soil is a slity sand with limestone gravel. Vegetation consists of yucca, prickly pear, cholla, sumac tar bush, acacia, little leaf sumac, and native grasses.

B. The surface and minerals are owned by the U.S. Government and is administered by The Bureau of Land Management. The surface is used for livestock grazing and the production of oil and gas.

C. An archaeological survey will be conducted on the effected area and a report will be filed with the BLM field office in Carlsbad, New Mexico.

D. There are no dwellings located in the near vicinity of the location.

12. OPERATOR'S REPRESENTIVE:

BEFORE CONSTRUCTION:

TIERRA EXPLORATION, INC.
P.O. BOX 2188
HOBBS, NEW MEXICO 88241
JOE T. JANICA
OFFICE Ph. 505-391-8503

DURING & AFTER CONSTRUCTION:

DEVON ENERGY PRODUCTION COMPANYL.P.
20 NORTH BROADWAY SUITE 1500
OKLAHOMA CITY, OKLAHOMA 73102-8260
WALLY FRANK OFFICE Ph. 405-552-4595

DON MAYBERRY
P.O. BOX 250
ARTESIA, NEW MEXICO 88211-0250
Ph. OFFICE 505-748-3371 HOME 505-746-4945

13. CERTIFICATION: I certify that I or persons under my direct supervision have inspected the proposed dirll site and access route, that I am familiar with the conditions which currently exist and that the statements made in this plan are to the best of my knowledge, are true and correct, and that the work associated with the operations proposed herein will be performed by DEVON ENERGY PRODUCING COMPANY L.P., it's contractors/subcontractors and is in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provision of U.S.C. 1001 for the filing of a false statement.

NAME : Joe T Janica
DATE : 09/17/01
TITLE : Agent

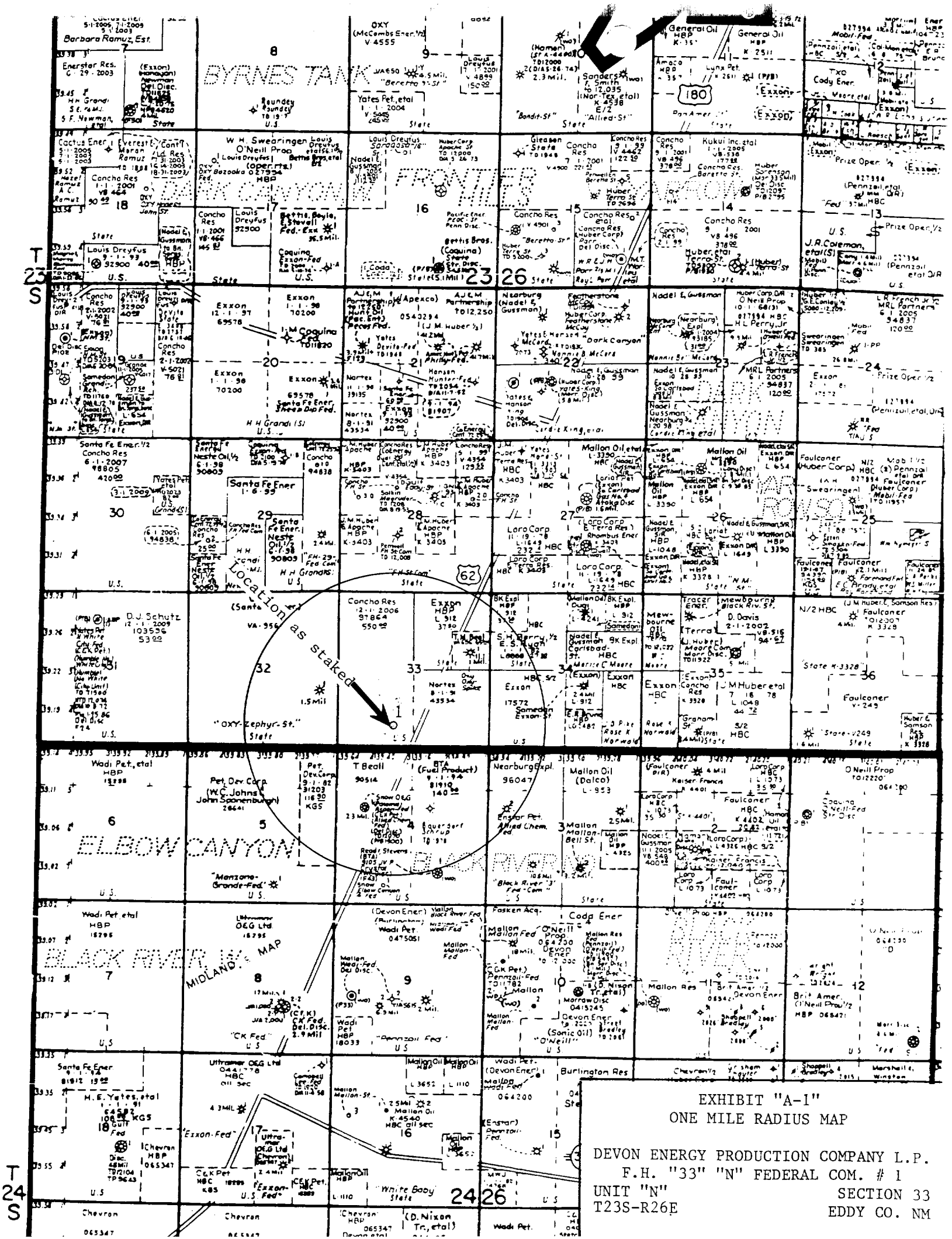


EXHIBIT "A-1"
ONE MILE RADIUS MAP

DEVON ENERGY PRODUCTION COMPANY L.P.
F.H. "33" "N" FEDERAL COM. # 1
UNIT "N" SECTION 33
T23S-R26E EDDY CO. NM

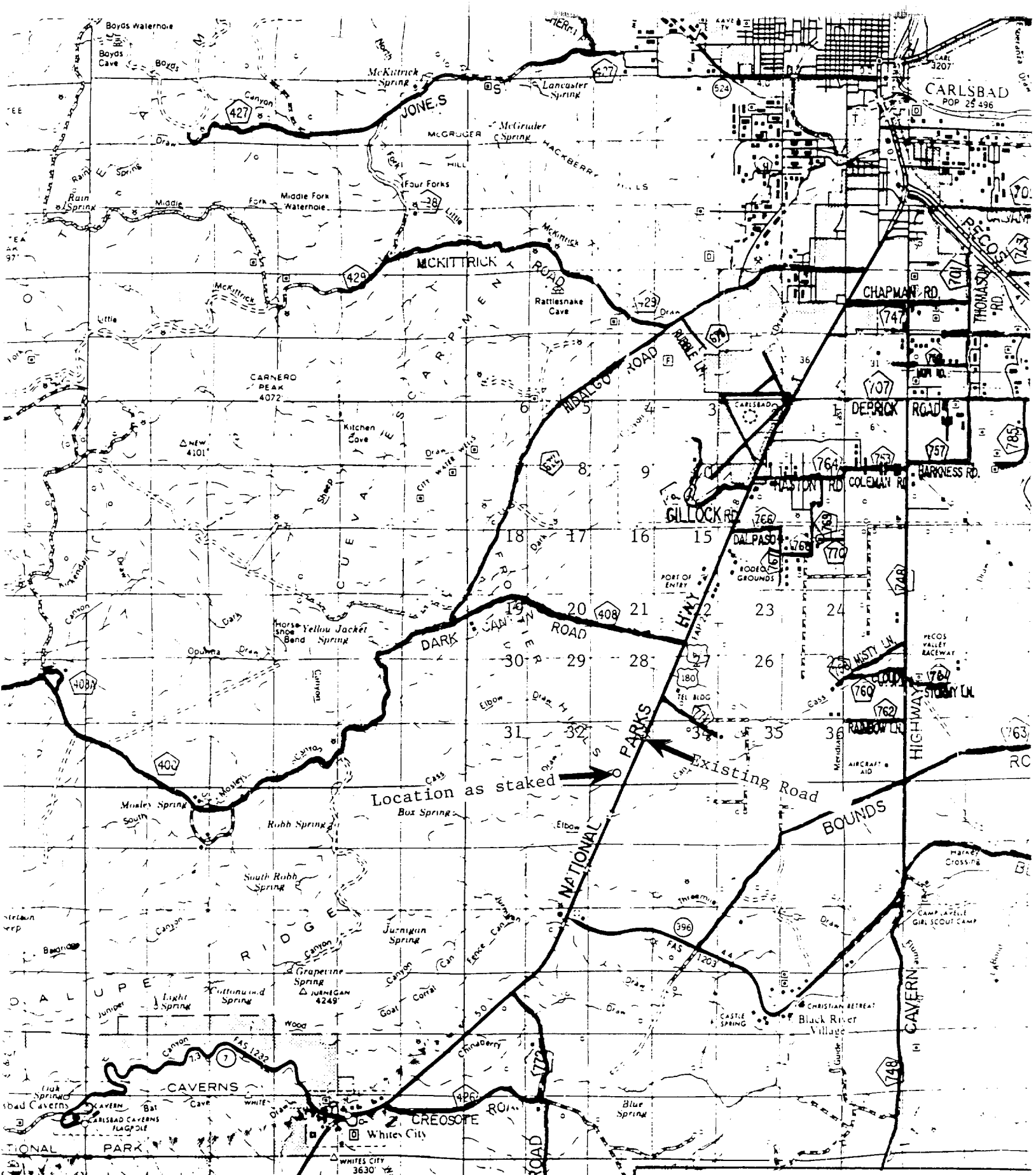
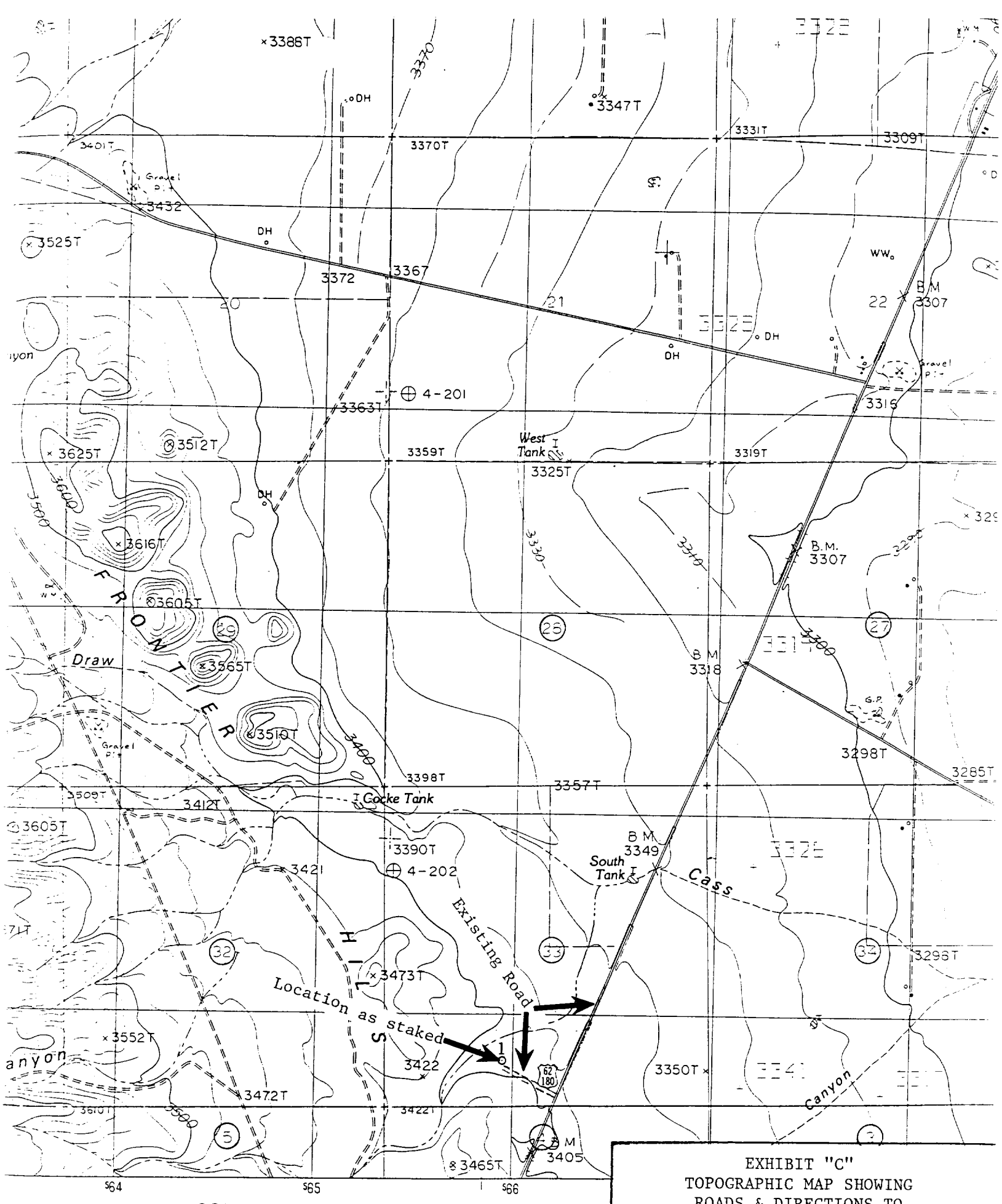


EXHIBIT "B"
LOCATION & ACCESS ROAD MAP

DEVON ENERGY PRODUCTION COMPANY L.P.
F.H. "33" "N" FEDERAL COM. # 1
UNIT "N" SECTION 33
T23S-R26E EDDY CO. NM



SCALE 1:24 000

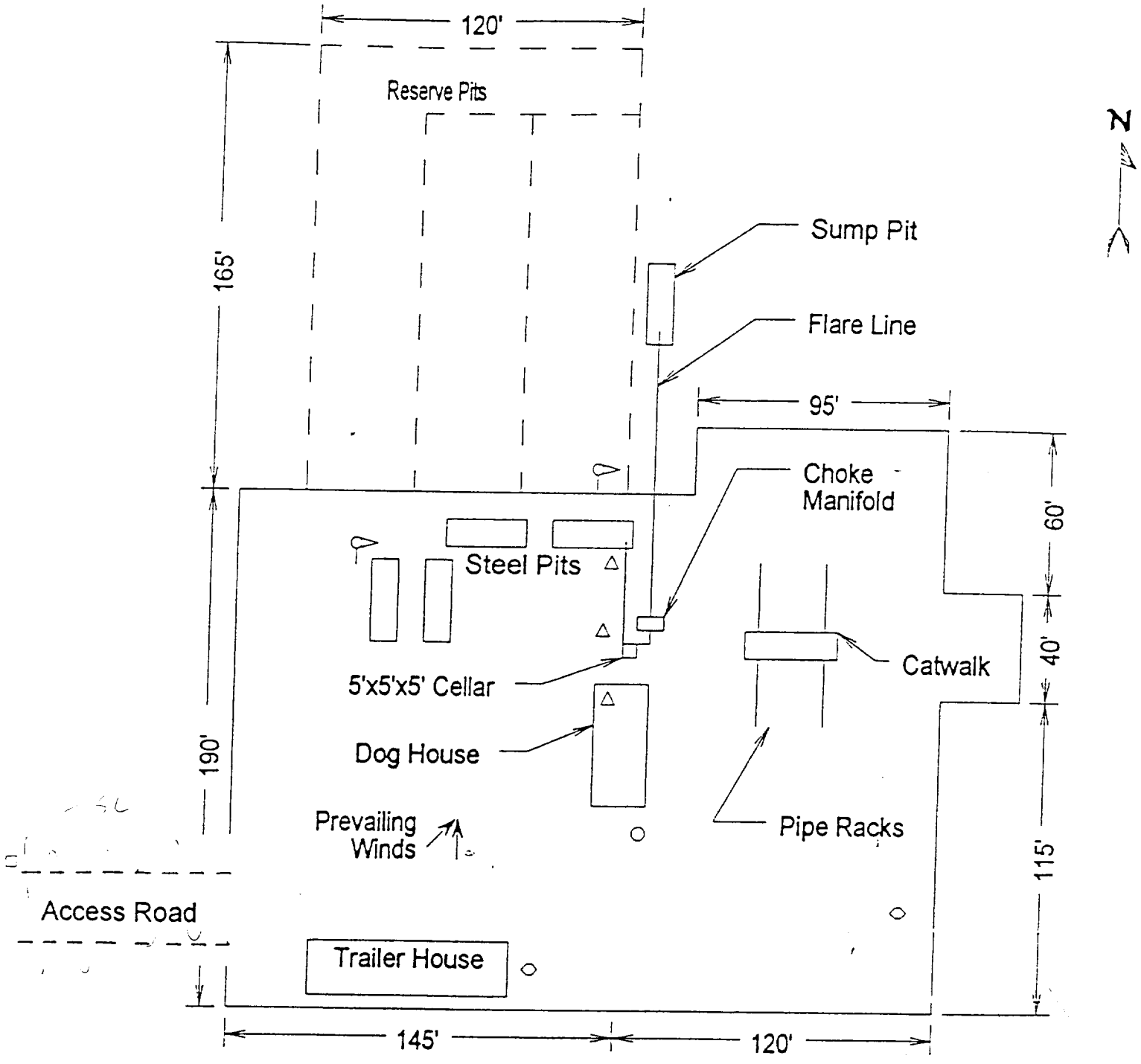
0 1 MILE

0 1000 2000 3000 4000 5000 6000 7000 FEET

5 0 1 KILOMETER

EXHIBIT "C"
TOPOGRAPHIC MAP SHOWING
ROADS & DIRECTIONS TO

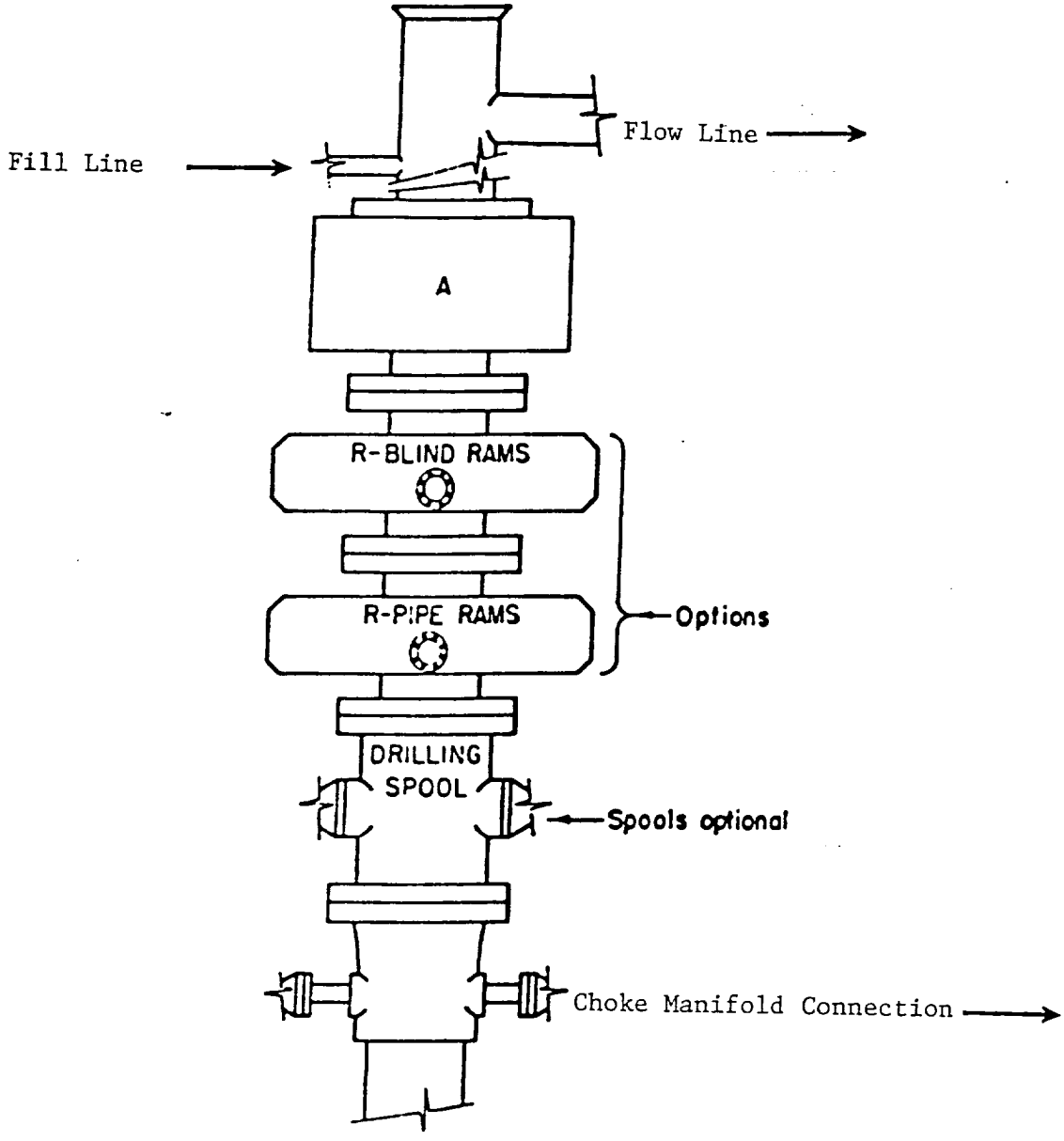
DEVON ENERGY PRODUCTION COMPANY L.P.
F.H. "33" "N" FEDERAL COM. # 1
UNIT "N" SECTION 33
T23S-R26E EDDY CO., NM



- Wind Direction Indicators (wind sock or streamers)
- △ H2S Monitors (alarms at bell nipple and shale shaker)
- ◇ Briefing Areas
- ○ Remote BOP Closing Unit
- □ Sign and Condition Flags

EXHIBIT "D"
RIG LAYOUT PLAT

DEVON ENERGY PRODUCTION COMPANY L.P.
F.H. "33" "N" FEDERAL COM. # 1
UNIT "N" SECTION 33
T23S-R26E EDDY CO. NM



ARRANGEMENT SRRA

1500 Series
5000 PSI WP

EXHIBIT "E"
SKETCH OF B.O.P. TO BE USED ON

DEVON ENERGY PRODUCTION COMPANY L.P.
F.H. "33" "N" FEDERAL COM. # 1
UNIT "N" SECTION 33
T23S-R26E EDDY CO. NM

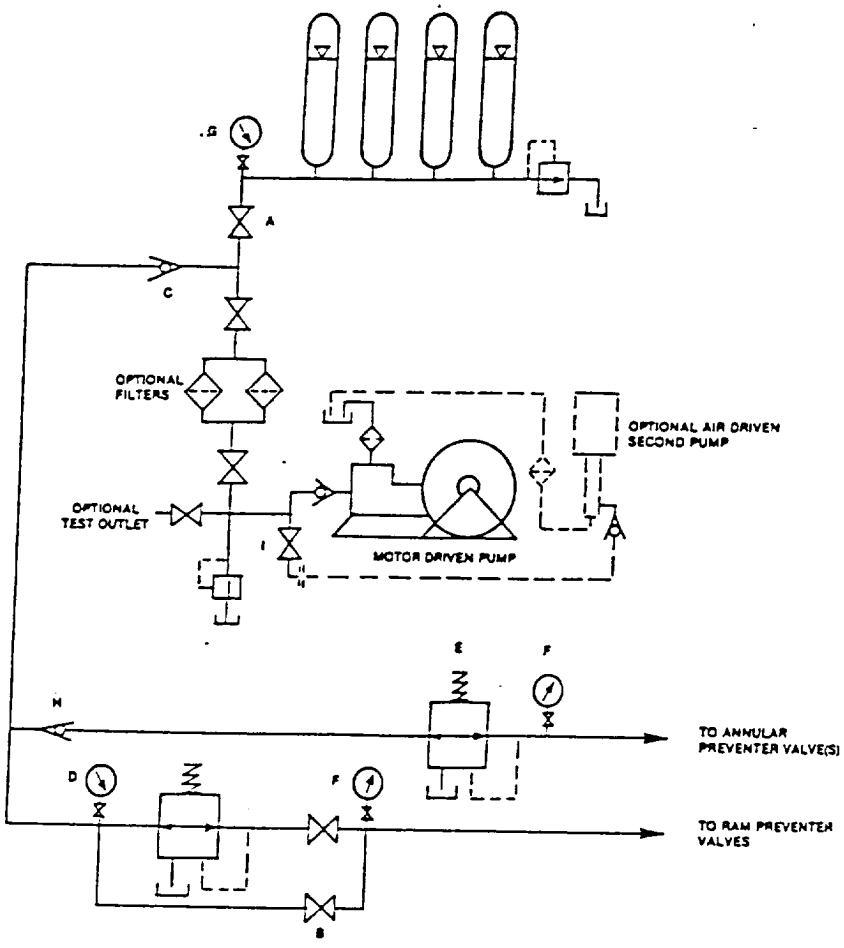


FIGURE K6-1. The schematic sketch of an accumulator system shows required and optional components.

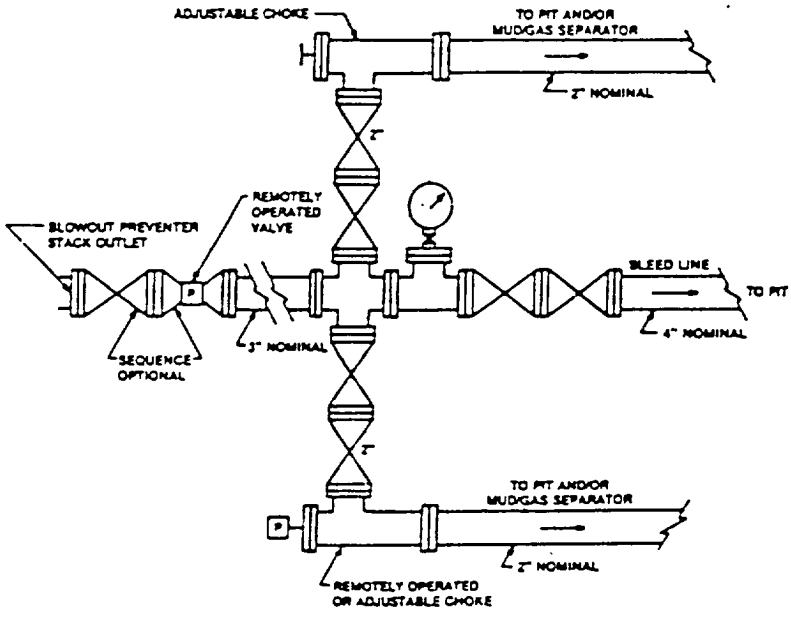


FIGURE K4-2. Typical choke manifold assembly for 5M rated working pressure service — surface installation.

EXHIBIT "E-1"
CHOKE MANIFOLD & CLOSING UNIT

DEVON ENERGY PRODUCTION COMPANY L.P.
F.H. "33" "N" FEDERAL COM. # 1
UNIT "N" SECTION 33
T23S-R26E EDDY CO. NM

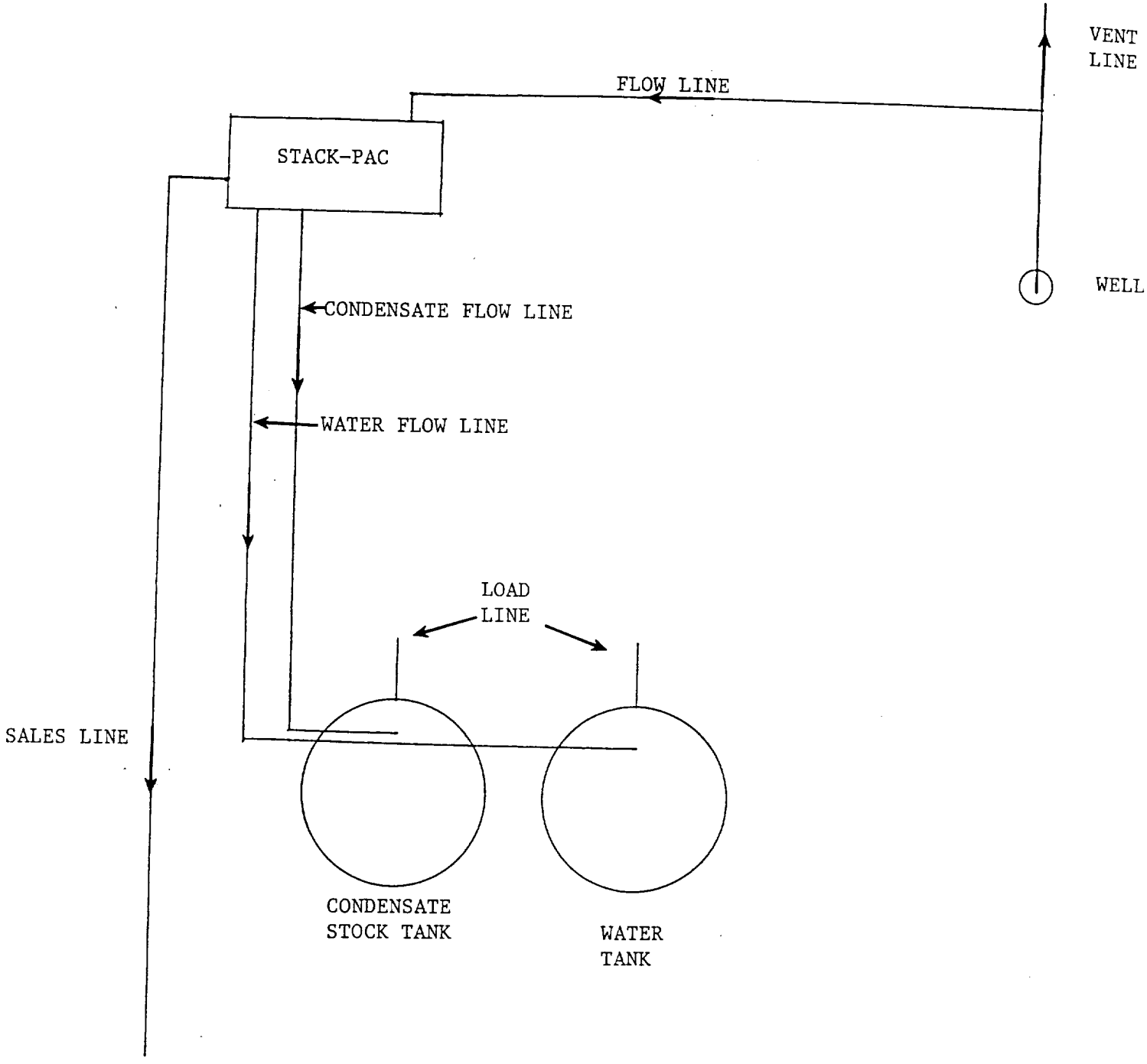


EXHIBIT "F"
SURFACE FACILITY

DEVON ENERGY PRODUCTION COMPANY L.P.
F.H. "33" "N" FEDERAL COM. # 1
UNIT "N" SECTION 33
T23S-R26E EDDY CO. NM

STATEMENT ACCEPTING RESPONSIBILITY FOR OPERATIONS

submitted as attachment to the Bureau of Land Management
form 3160-5 Sundry Notice of OPERATOR CHANGE

Operator Name: **Devon Energy Production Company, L.P.**
Street or Box: **20 North Broadway, Suite 1500**
City, State: **Oklahoma City, OK**
Zip Code: **73102-8260**

The undersigned accepts all applicable terms, conditions, stipulations and restrictions concerning operations conducted on the leased land or portion thereof, as described below.

Well Name and No.: **F.H. 33 "N" Fed Com #1**
760' FSL & 1980' FWL
Section N – 33-T23S-R26E
Eddy County, New Mexico

Lease No.: **NMNM-97864**
Legal Description of Land: **Section 33: W/2**
Total 320 acres

Formation(s): **No limitations**

Bond Coverage: **$200,000**

BLM Bond File No.: **CO-1104**

Authorized Signature: _____
Bradley A. Foster
Devon Energy Production Company, L.P.
Title: **Operations Manager**

Date: **February 21, 2002**