

COPY TO O. C. C.

SUBMIT IN TRIPLICATE

(Other instructions on
reverse side)Form approved,
Budget Bureau No. 42-R1425.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK RE-ENTER
DRILL ☒ DEEPEN ☐ PLUG BACK ☐b. TYPE OF WELL
OIL WELL ☐ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Continental Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 460 Hobbs, NM. 882404. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface1980' FWL and 1980' FWL

At proposed prod. zone

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

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

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

3149'

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	<u>10 3/4"</u>	<u>29#</u>	<u>742'</u>	<u>500 sk (circ)</u>
	<u>5 1/2"</u>	<u>15.5#</u>	<u>4615'</u>	<u>115 sk TOC 3380'</u>

It is proposed to RE-ENTER THE SUBJECT well and complete as a
Ramsay Sand oil well.

Indicated above is the current casing program as it exists in
the hole and will not be changed.

SEE ATTACHED procedure for activities

RECEIVED

JUN 14 1979

U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

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 Wm A. Butterfield TITLE Administrative Supervisor DATE _____

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

USGS 5

FILE

*See Instructions On Reverse Side

APPROVED
AS AMENDED

DATE

JUN 20 1979
James F. Sims
JAMES F. SIMS
DISTRICT ENGINEER

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.

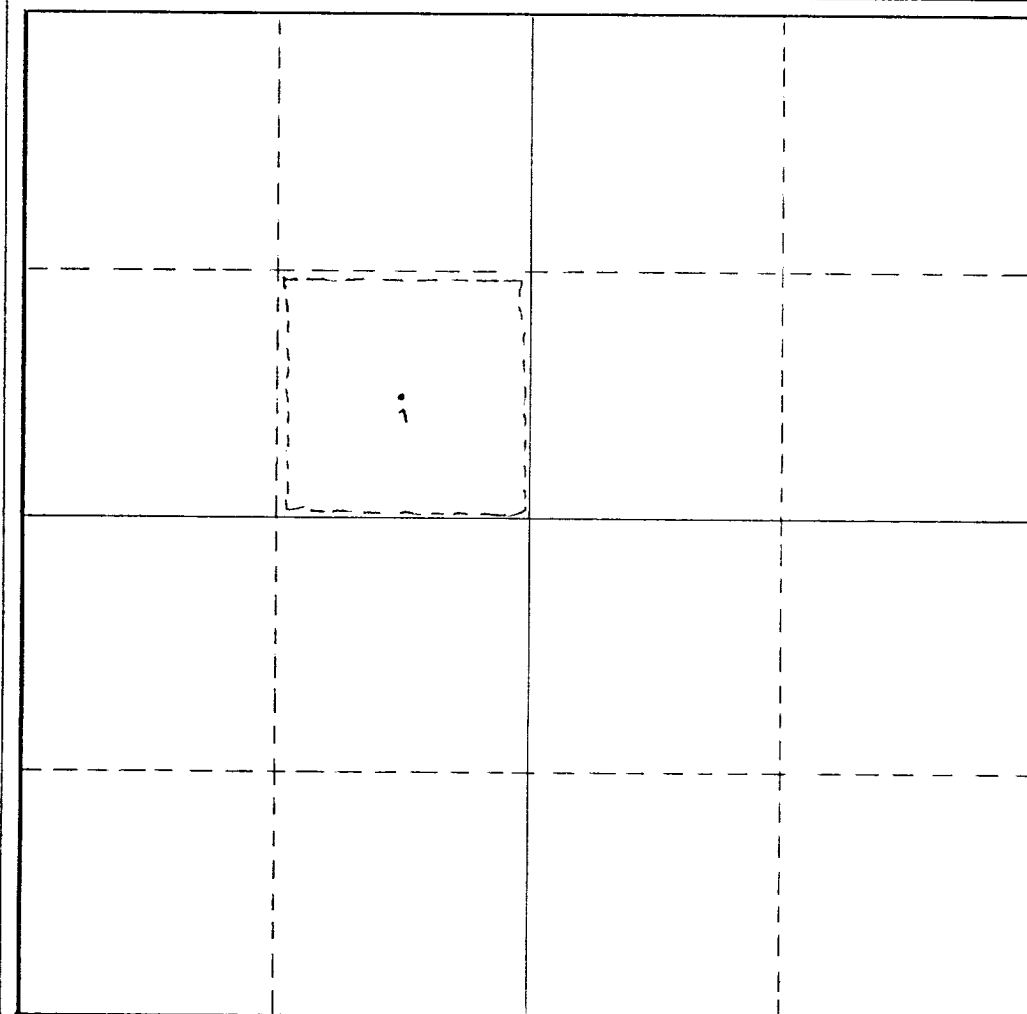
Operator <u>CONTINENTAL Oil Company</u>			Lease <u>Wilder-29</u>		Well No. <u>1</u>
Unit Letter <u>F</u>	Section <u>29</u>	Township <u>26S</u>	Range <u>32E</u>	County <u>LEA</u>	
Actual Footage Location of Well: <u>1980</u> feet from the <u>North</u> line and <u>1980</u> feet from the <u>West</u> line					
Ground Level Elev. <u>3149'</u>	Producing Formation <u>Ramsey Sand</u>		Pool <u>North Mason</u>		Dedicated Acreage: <u>40</u> 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 _____

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.

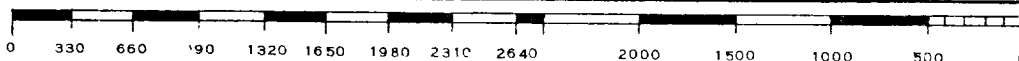
Name
John A. Bollenfeld
Position
ADMINISTRATIVE SUPERVISOR
Company
CONTINENTAL Oil Company
Date
June 12, 1979

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

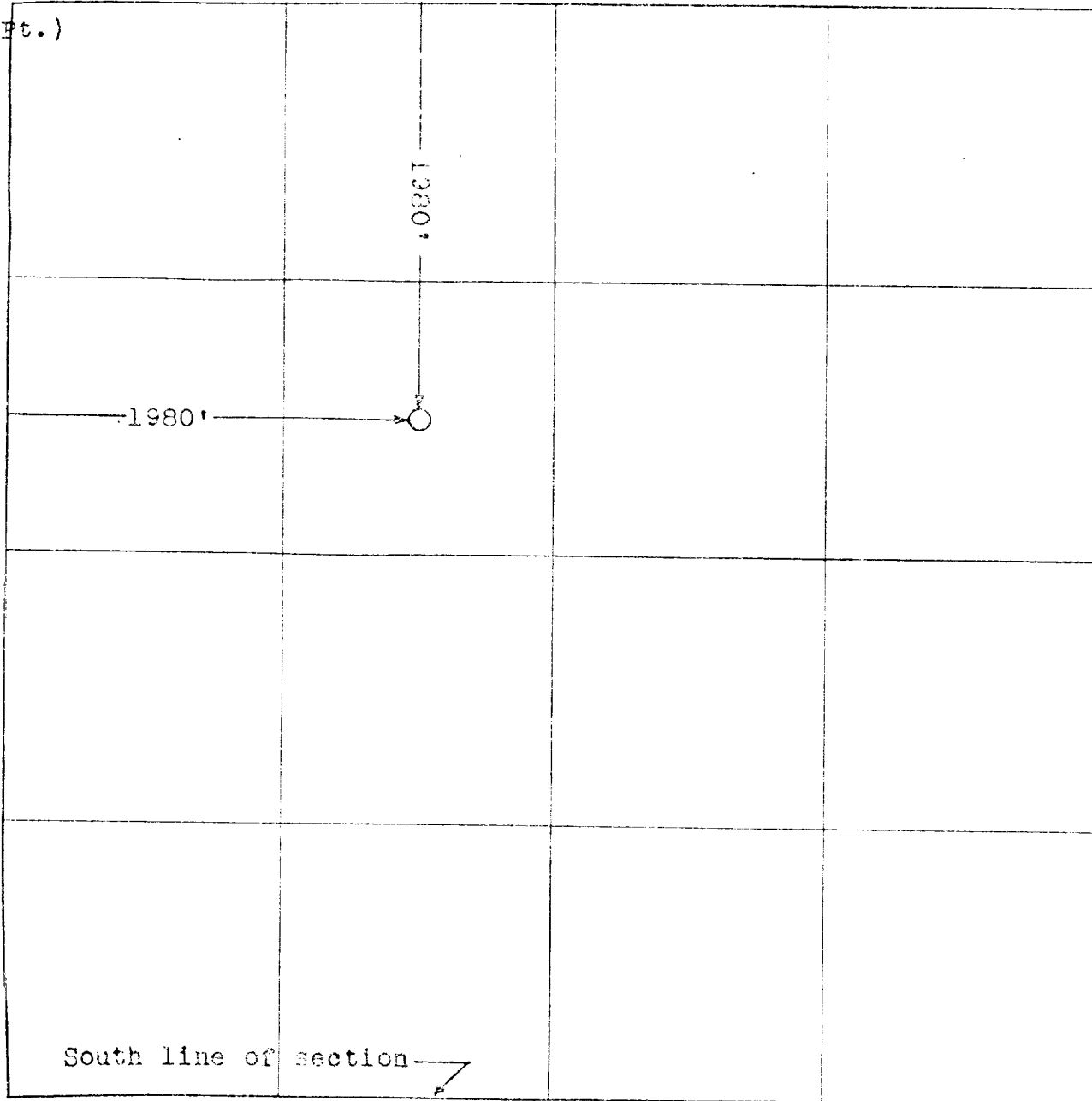
Registered Professional Engineer and/or Land Surveyor

Certificate No.



SECTION 29 TOWNSHIP 26S RANGE 32E COUNTY Lea STATE New Mexico

P.
Pt.)



I.P.

CONTINENTAL OIL COMPANY
Well No. 1, Federal "29" Lease,
includes all of Sec. 29-26-32,
Lea County, New Mexico

I, Jack Collins, do hereby certify
that this location was made on the
ground by me and is correct,

Jack B Collins

WILDER 29 NO. 1
RE-ENTER, PERFORATE AND STIMULATE

WELL DATA

Elevation: 3149' Zero: 12' ALF

Location: 1980' FNL & 1980' FWL, Section 29, T26S, R32E, Lea County, New Mexico.

Casing: 10 3/4", 29# surface casing @ 742' w/500 sx (circ.).
5 1/2", 15.5#, J-55 @ 4615' w/415 sx (TOC @ 3380').

Cement Plugs: 0'-50' w/20 sx.
1080'-1180' w/60 sx.
3350'-3450' w/100 sx.
4298'-4348' w/25 sx.
Cement retainer @ 4348'.

RECOMMENDED PROCEDURE

- 1) Rig up and remove abandonment marker.
- 2) GIH with 4 3/4" cement bit, 5 1/2" casing scraper, drill collars and work-string.
- 3) Drill out cement plugs to cement retainer @ 4348'.
Cement plugs @ +0'-+50' w/20 sx.
+1080' to +1180' w/60 sx.
+3350' to +3450' w/100 sx.
+4298' to +4348' w/25 sx.
- 4) Circulate hole clean with 10 PPG brine water.
- 5) Pressure test casing to 1500 PSI.
 - A) If pressure test ok, spot 84 gallons (2 bbls.) 15% MCA acid (inhibit acid for 24 hours @ 110°F) from +4346' to +4262'. POOH with work-string and proceed to step 6.
 - B) If casing will not pressure test, POOH with workstring.
 - a) GIH retrievable bridge plug, on-off tool, treating packer and workstring.
 - b) Set retrievable bridge plug @ +4300' and pressure test casing to 1500 PSI.
 - c) If pressure test ok, release retrievable bridge plug. Spot 84 gallons (2 bbls.) 15% MCA acid (inhibit acid for 24 hours @ 110°F) from +4346' to +4262'. POOH and proceed to step 6.
 - d) If casing has leak, isolate and notify Engr. Dept. for further recommendations.
- 6) Rig up perforating services. GIH with 4" perforating gun (180° phase & 2 JSPF) and collar locator.
Perforate Ramsey sand formation @ 4335', 36', 37', 38', 39', 40', 41', 42', 43', 44', 45' & 4346' with 2 JSPF.
Casing collars located @ 4269', 4301', 4333'.

- 7) POOH with collar locator and perforating gun.
- 8) GIH with RTTS packer and 2 3/8" tubing. Set packer @ +4285'.
- 9) Rig up fracturing services. Fracture treat Ramsey sand formation perforations 4335' to 4346' with the following treatment @ 12 BPM thru 2 3/8" tubing.

(Estimate WHTP = 3000 PSI)

Casing burst pressure = 4000 PSI

- A) Pump 504 gallons (12 bbls.) 15% MCA acid.
- B) 2000 gallons MY-T-Oil II pad.
- C) 2000 gallons MY-T-Oil II w/1 PPG 20/40 sand.
- D) 2000 gallons MY-T-Oil II w/2 PPG 20/40 sand.
- E) 4000 gallons MY-T-Oil II w/3 PPG 20/40 sand.
- F) Flush to top of perfs w/MY-T-Oil II (17 bbls.).

Total gelled fluid volume - 10,850 gallons.

Total frac sand weight - 18,000#.

- 10) Record ISIP and @ 5 minute intervals for 15 minutes. Shut in for 6 hours to allow the gel to break.
- 11) Release packer and POOH w/packer and 2 3/8" tubing.
- 12) Tag for fill with sandline and clean out to ± 4348' if necessary.
- 13) GIH with 139 jts. 2 3/8" tubing, SN and OPMA w/SN @ +4300'.
- 14) GIH with pump and rods.

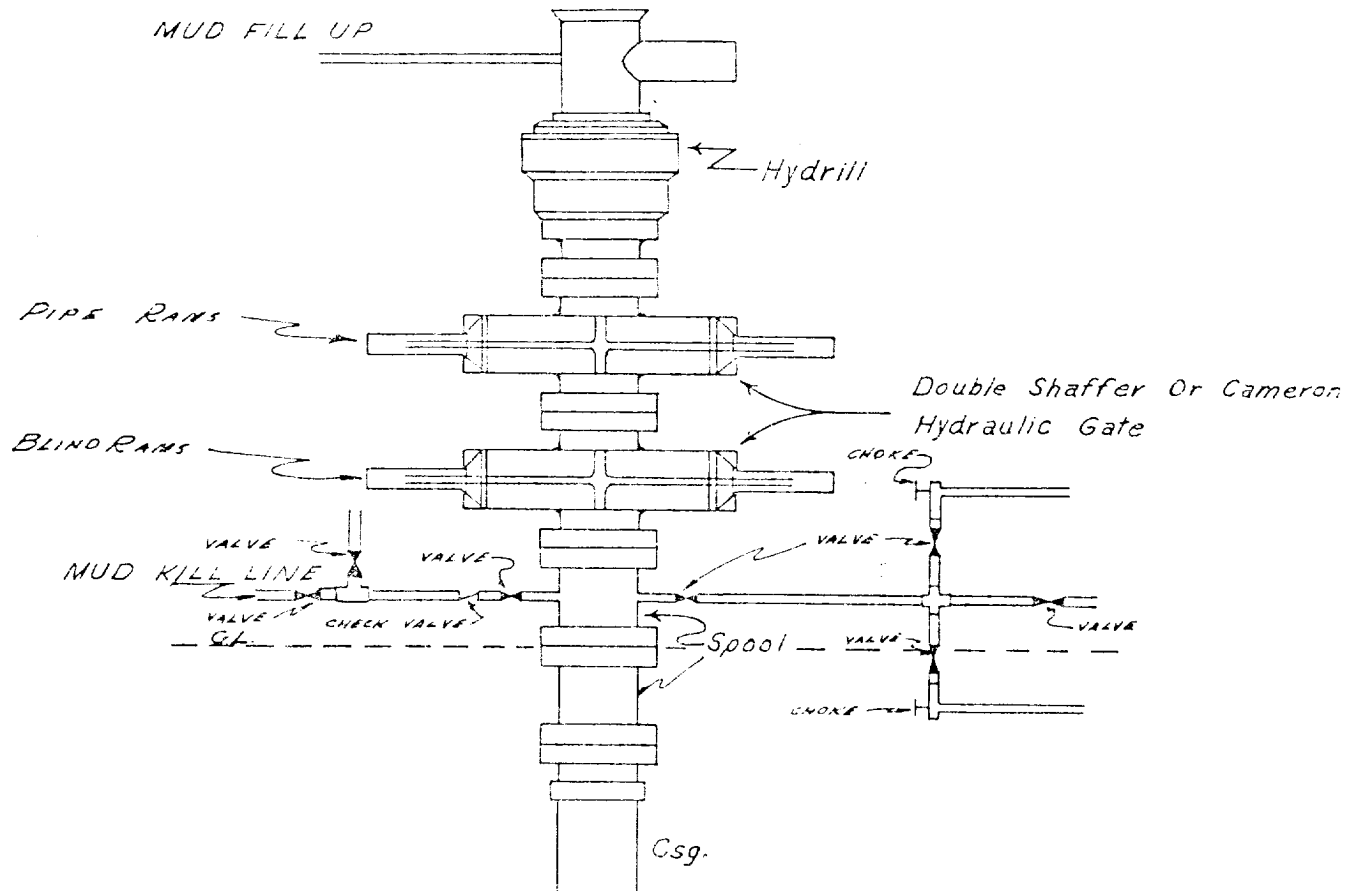
FRAC FLUID COMPOSITION (HALLIBURTON)

15% MCA acid (588 gallons) with 2 gallons HAI-50 per 1000 gallons.

MY-T-Oil II (10,714 gallons) with:

- 8 gallons MO-55 per 1000 gallons.
- 3 gallons MO-56 per 1000 gallons.
- 100# K-34 per 1000 gallons.
- 1 gallon Hyflo II per 1000 gallons.

CONTINENTAL OIL COMPANY
Blow-out Preventer Specifications



NOTE:

API SERIES 900

Manual and Hydraulic controls with closing unit no less than 25' from well head.
Remote controls on rig floor.

DUE TO SUBSTRUCTURE CLEARANCE,
HYDRILL MAY OR MAY NOT BE USED.

SURFACE USE PLAN
Continental Oil Company
Wilder-29 No. 1
Sec. 29 T26S R32E
Lea County, New Mexico

The plan is to accompany "Application for Permit to Drill" the subject well. The following is a discussion of pertinent information concerning possible effect which the proposed drilling of the well may have on the environment of the well and road sites and surrounding acreage. A copy will be posted on the derrick floor so that all contractors and sub-contractors will be aware of all items of this plan.

1. EXISTING ROADS

- A. The proposed well site is an abandoned location 1980' FNL and 1980' FWL, Sec. 29, T26S, R32E, Lea County, New Mexico.
- B. Exhibit "A" is a portion of a New Mexico road map showing existing black top roads. Directions to the location are as follows:
From the Conoco station in Eunice, go south on Loop 18 2.5 miles, and turn west on the Delaware Basin road for 32 miles. Turn west on the Jal-Loving highway 9.2 miles, turn south on the Orla highway 13.5 miles. Turn east on the caliche road 0.3 mile, south through a fence 0.6 mile and west 0.3 mile. Location is to the north.
- C,D,E. Access roads are shown on Exhibits "B" and "C".
- F. No improvement or maintenance are anticipated for the existing roads.

2. PLANNED ACCESS ROADS

- A. Width and Length: New road required will be 12' wide and 1 mile long. This is an existing road which will be widened and resurfaced.
- B. Turnouts: Two turnouts are required.
- C. Drainage Design: New road will have a drop of 6" from center line on each side.
- D. Culverts, Cuts and Fills: None required.
- E. Surfacing Material: Six inches of caliche, bladed, watered, and compacted.
- F. Gates, Cattleguards, Fences: No new fences or gates are required. A cattleguard 0.3 mile north of the location will be required.

3. LOCATION OF EXISTING WELLS

See Exhibit "C".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. Tank Batteries: A tank battery will be built on the well pad.
- B. Producing Facilities: No new producing facilities are required.
- C. Oil Gathering Lines: Flowlines will lay on the surface to the tank battery.
- D. Other Lines: Electrical power lines will be built on 330' spans as shown on Exhibit "E".
- E. Rehabilitation; Pits will be backfilled and leveled as soon as practical to original condition. Commencement of rehabilitation operations will immediately follow removal of drilling and completion equipment from location. Rehabilitation of the surface is planned to be completed within 45 days from commencement.

5. WATER SUPPLY

Water will be hauled from Jal, New Mexico.

6. SOURCE OF CONSTRUCTION MATERIALS

No new construction materials will be required.

7. METHODS FOR HANDLING WASTE DISPOSAL

Waste Disposal: Well cuttings will be disposed in reserve pit. Barrel trash containers to be in accessible locations within drill site area during drilling and completion procedures. All detrimental waste will be hauled away, burned or buried with a minimum cover of 24" of dirt. See Exhibit "D" for location of pits. If well is productive, maintenance waste will be placed in special trash cans and hauled away periodically. Any produced water will be collected in tanks until hauled to an approved disposal system, or separate disposal applications will be submitted to the survey for appropriate approval.

8. ANCILLARY FACILITIES

None.

9. WELL SITE LAYOUT

Exhibit "D" shows the relative location and dimensions of the well pad, mud pit, reserve pit, etc. The reserve pit will be lined with plastic. The pad and pits are staked.

10. PLANS FOR RESTORATION OF SURFACE

Pits will be backfilled and leveled as soon as practical to original condition. Commencement of rehabilitation operations will immediately follow removal of drilling and completion equipment from location and rehabilitation of the surface is planned to be completed within 45 days from commencement.

11. OTHER INFORMATION

- A. Terrain: Flat.
- B. Soil: Sandy.
- C. Vegetation: Mesquite, sagebrush, grass.
- D. Surface Use: Grazing.
- E. Ponds and Streams: None within one mile.
- F. Water Wells: One 0.7 mile southwest and one 0.8 mile northeast of the location.
- G. Residences and Buildings: A building is 0.8 mile northeast.
- H. Arroyos, Canyons, Etc.: None within one mile.
- I. Well Sign: Sign identifying and locating well will be maintained at drill site with the spudding of the well.
- J. Open Pits: All pits containing mud or other liquids will be fenced.
- K. Archaeological Resources: None observed.

12. OPERATORS'S REPRESENTATIVE

Field personnel who can be contacted concerning compliance of this Surface Use Plan are as follows:

Production and Drilling
C. R. Paschal or H. C. Pokrandt
1001 North Turner
Hobbs, New Mexico 88240
Phone: 393-4141

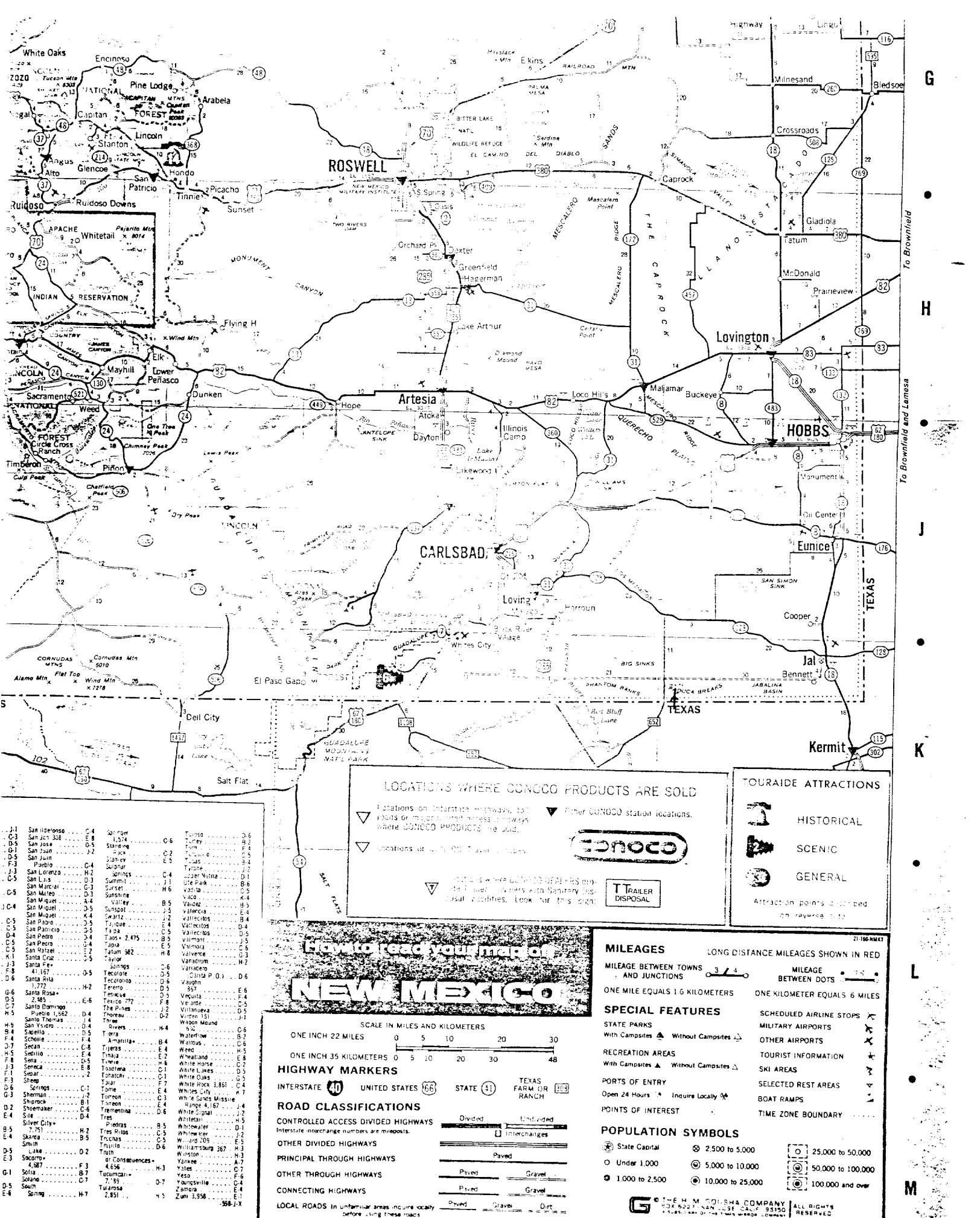
13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Continental Oil Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

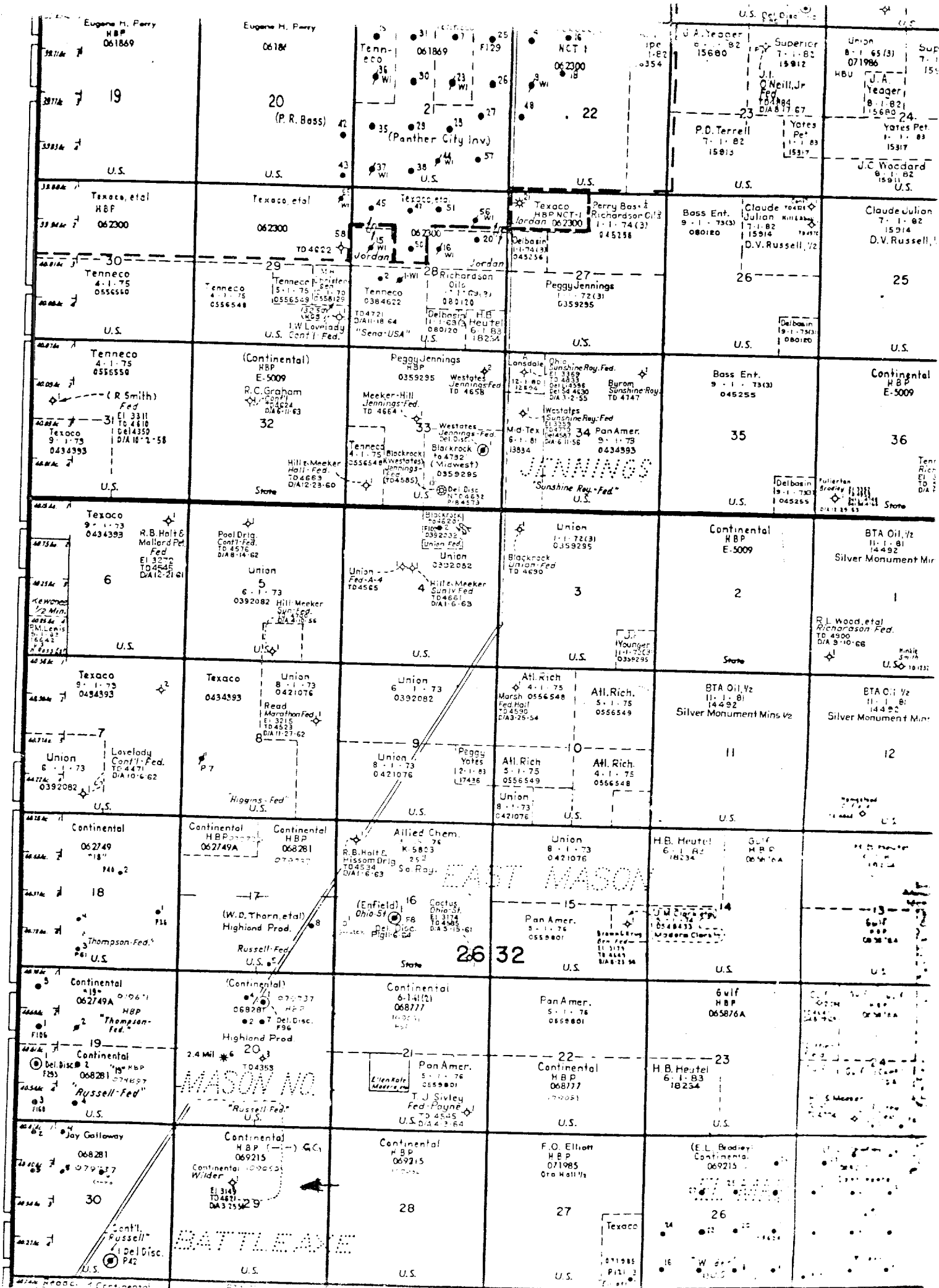
5/31/79
Date

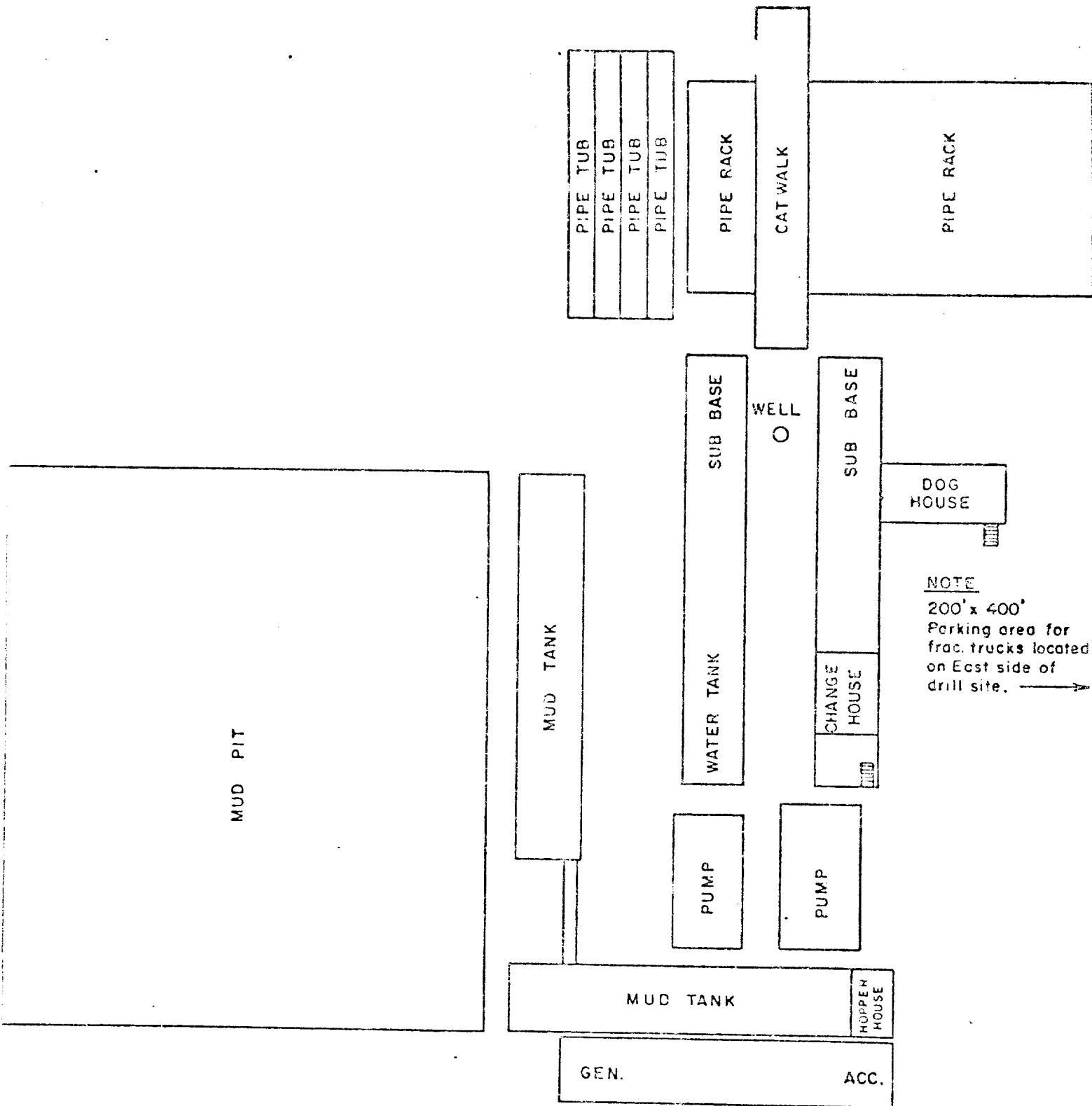
H. C. Pokrandt
H. C. Pokrandt
Production Superintendent

PEB: cab



T
26
S





APPROX. RIG SITE DIMENSIONS
160' x 200'

CONTINENTAL OIL COMPANY
PRODUCTION DEPARTMENT
Casper, Wyoming

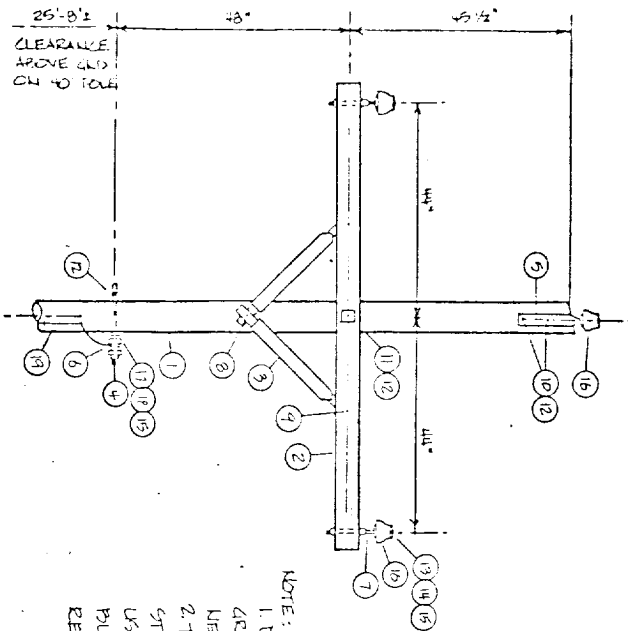


RIG LAYOUT

Engineer: ~~Tommy~~

Draftsman: B.S. Date: 1-4-73



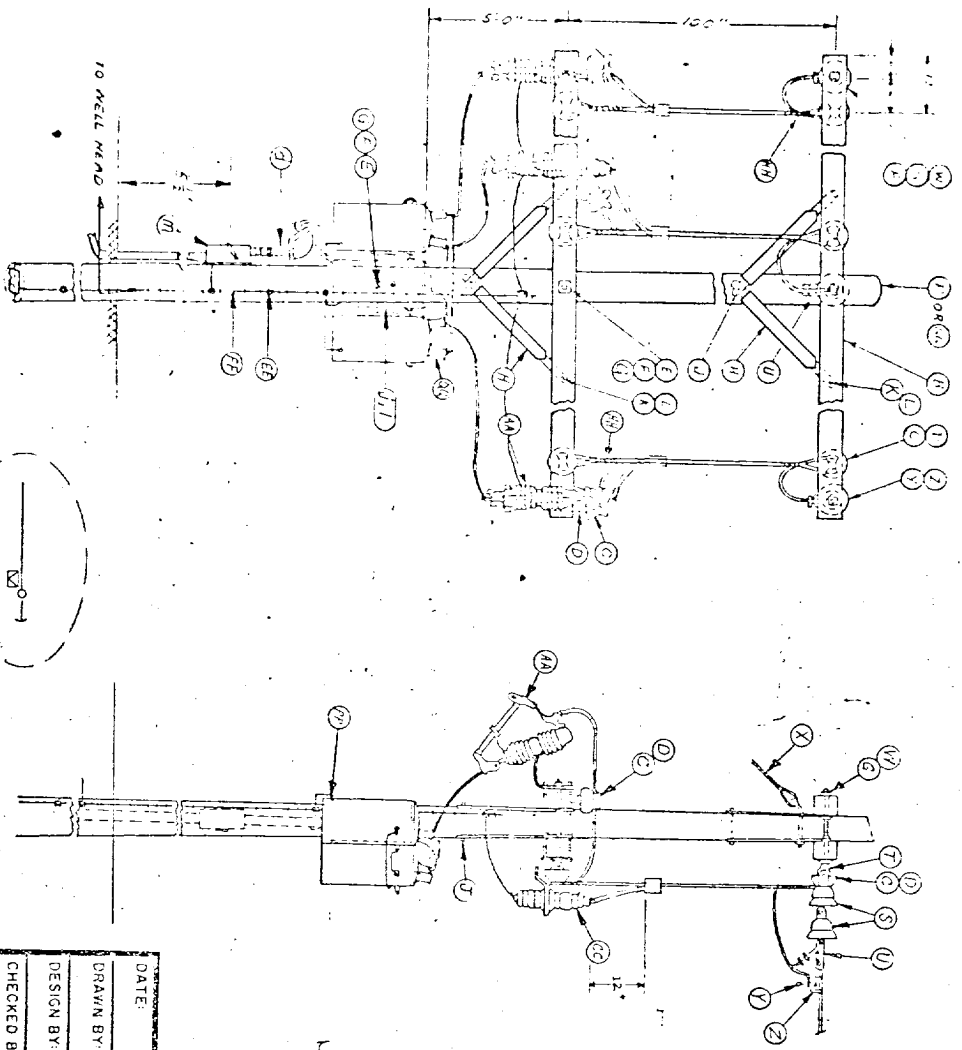


NOTE:
 1. DO NOT INSTALL
 GROUND WIRE FIRST
 NEUTRAL CONDUCTOR
 2. THIS CONSTRUCTION
 STANDARD TO BE
 USED ON ALL LINES
 BUILT ON NATIONAL
 RESOURCE LANDS

MATERIALS

ITEM	DESCRIPTION	REQD	ITEM	DESCRIPTION	REQD
1	POLE, 40'	1	17	NEUTRAL CONDUCTOR	1
2	BRACE, 3/4" x 4 1/2" x 8'	1	18	ARMOR ROD	5*
3	BRACE, 1/2" x 4'	2	19	POLE GROUND WIRE, #6 AL	
4	STUD RAIL	1			
5	BRIDGE PIN, 1/2"	1			
6	STEEL INSULATOR	2			
7	STEEL PIN, 1/8" x 5"	1			
8	LARGE SCREW, 1/2" x 4"	2			
9	CAPSCREW, 3/8" x 4 1/2"	2			
10	MACHINE BOLT, 3/8" x 10"	1			
11	MACHINE BOLT, 3/8" x 4"	5			
12	WASHER, 2 1/2" x 3/8"	5			
13	PHASE CONDUCTOR	1			
14	ARMOR ROD	3			
15	THE WIRE, #0 AL	1*			
16	PIN INSULATOR, GIV	3			

DATE: 7-15-71	TITLE: PRIMARY IN LINE POLE
DRAWN BY: J. MORTILLI	12,500 VOLT AIR
DESIGN BY:	
CHECKED BY: SK	CONCO
APPROVED BY: SK	PRODUCTION DEPT. HOBBS DIVISION
SCALE: 1/4" = 1'	JOB: ELEC. SPECS. DRAWING NO: E5-26



ITEM	QTY	REF
A	4	
B	5	
C	5	
D	5	
E	5	
F	12	
G	12	
H	8	
I	4	
J	4	
K	8	
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UB	3	
UC	3	
UD	3	
UE	3	
UF	3	
UG	3	
UH	3	
UI	3	
UJ	3	
UK	3	</

ITEM	DESCRIPTION	A. B. QUANCE NO.	JOSIYIN NO.	OTHER MFRS. NO.	NO. SUB.
1	35' class 6 creosoted pine pole				
2	3 1/2" x 4 1/2" x 8' treated crossarm				
3	1/2" x 1/2" x 8' treated crossarm				
4	1/2" x 1/2" x 8' treated crossarm				
5	5/4" x 5" forged steel pin w/eq. washer, nut, & locknut	881	663		
6	5/4" x 1/2" machine bolt w/ nut (or length req'd)	681/2			
7	2 1/4" x 2 1/4" x 3/16" x 11/16" hole sq. washer	681/2			
8	5/8" x 1/2" locknut	351/2			
9	1/4" x 1 1/4" x 28" flat crossarm brace	712/8			
10	1/2" x 1/2" x 8' treated crossarm	504754			
11	3/8" x 4 1/2" carriage bolt w/ nut	6614 1/2			
12	3/8" x 1/2" locknut	351/0			
13	Preforded Aluminum Alloy Armor Rods, size req'd				
14	1/4" wire #6 strong alum. alloy				
15	Heavy Insulator (Extension Link)				
16	35' class 5 creosoted pine pole				
17	Aluminum double tab Squeeze on connector				
18	for A.S.E.L. Aluminum or Copper-size req'd				
19	6" Separation Insulator	66100			
20	5/8" x 1/2" standard oval eye nut	6502			
21	Primary wood and clamp		64250		
22	5/8" x 1 1/2" (or length req'd) Double Armring bolt	8868			
23	5/8" sq. nuts				
24	Primary wood and clamp				
25	5/8" x 1 1/2" (or length req'd) Double Armring bolt				
26	5/8" sq. nuts				
27	Primary wood and clamp				
28	5/8" x 1 1/2" (or length req'd) Double Armring bolt				
29	5/8" sq. nuts				
30	Primary wood and clamp				
31	5/8" x 1 1/2" (or length req'd) Double Armring bolt				
32	5/8" sq. nuts				
33	Primary wood and clamp				
34	5/8" x 1 1/2" (or length req'd) Double Armring bolt				
35	5/8" sq. nuts				
36	Primary wood and clamp				
37	5/8" x 1 1/2" (or length req'd) Double Armring bolt				
38	5/8" sq. nuts				
39	Primary wood and clamp				
40	5/8" x 1 1/2" (or length req'd) Double Armring bolt				
41	5/8" sq. nuts				
42	Primary wood and clamp				
43	5/8" x 1 1/2" (or length req'd) Double Armring bolt				
44	5/8" sq. nuts				
45	Primary wood and clamp				
46	5/8" x 1 1/2" (or length req'd) Double Armring bolt				
47	5/8" sq. nuts				
48	Primary wood and clamp				
49	5/8" x 1 1/2" (or length req'd) Double Armring bolt				
50	5/8" sq. nuts				
51	Primary wood and clamp				
52	5/8" x 1 1/2" (or length req'd) Double Armring bolt				
53	5/8" sq. nuts				
54	Primary wood and clamp				
55	5/8" x 1 1/2" (or length req'd) Double Armring bolt				
56	5/8" sq. nuts				
57	Primary wood and clamp				
58	5/8" x 1 1/2" (or length req'd) Double Armring bolt				
59	5/8" sq. nuts				
60	Primary wood and clamp				
61	5/8" x 1 1/2" (or length req'd) Double Armring bolt				
62	5/8" sq. nuts				
63	Primary wood and clamp				
64	5/8" x 1 1/2" (or length req'd) Double Armring bolt				
65	5/8" sq. nuts				
66	Primary wood and clamp				
67	5/8" x 1 1/2" (or length req'd) Double Armring bolt				
68	5/8" sq. nuts				
69	Primary wood and clamp				
70	5/8" x 1 1/2" (or length req'd) Double Armring bolt				
71	5/8" sq. nuts				
72	Primary wood and clamp				
73	5/8" x 1 1/2" (or length req'd) Double Armring bolt				
74	5/8" sq. nuts				
75	Primary wood and clamp				
76	5/8" x 1 1/2" (or length req'd) Double Armring bolt				
77	5/8" sq. nuts				
78	Primary wood and clamp				
79	5/8" x 1 1/2" (or length req'd) Double Armring bolt				
80	5/8" sq. nuts				
81	Primary wood and clamp				
82	5/8" x 1 1/2" (or length req'd) Double Armring bolt				
83	5/8" sq. nuts				
84	Primary wood and clamp				
85	5/8" x 1 1/2" (or length req'd) Double Armring bolt				
86	5/8" sq. nuts				
87	Primary wood and clamp				
88	5/8" x 1 1/2" (or length req'd) Double Armring bolt				
89	5/8" sq. nuts				
90	Primary wood and clamp				
91	5/8" x 1 1/2" (or length req'd) Double Armring bolt				
92	5/8" sq. nuts				
93	Primary wood and clamp				
94	5/8" x 1 1/2" (or length req'd) Double Armring bolt				
95	5/8" sq. nuts				
96	Primary wood and clamp				
97	5/8" x 1 1/2" (or length req'd) Double Armring bolt				
98	5/8" sq. nuts				
99	Primary wood and clamp				
100	5/8" x 1 1/2" (or length req'd) Double Armring bolt				

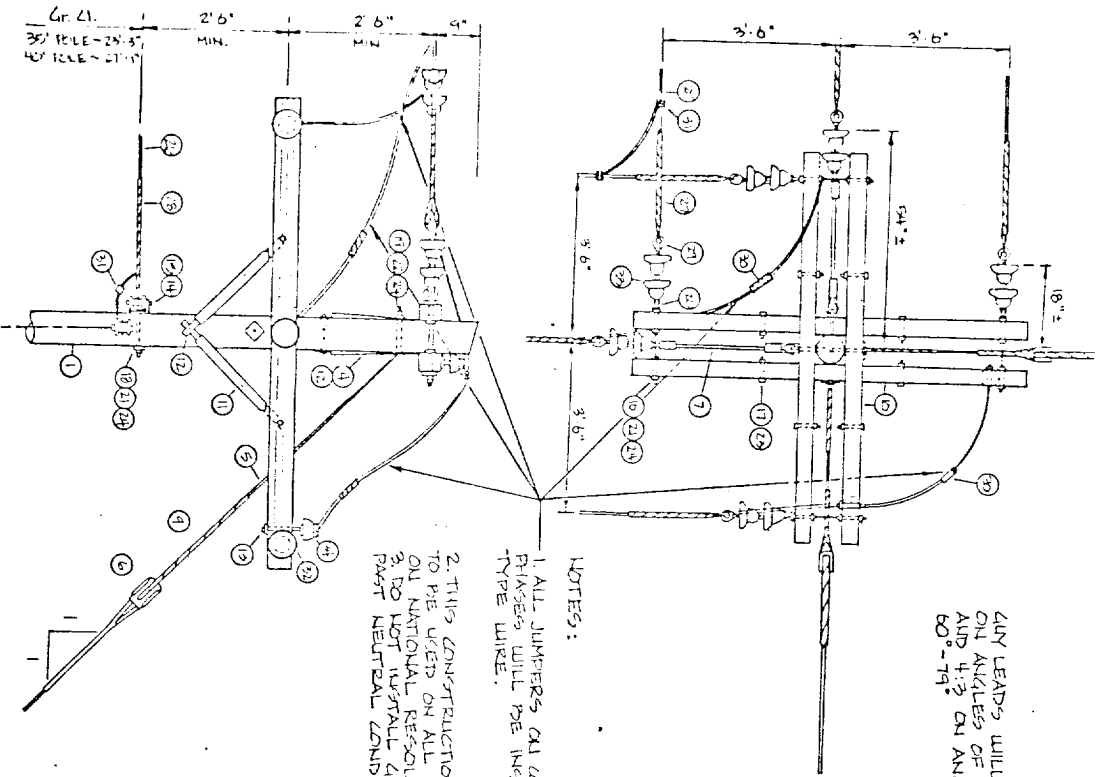
DATE: 12-17-71	TITLE: DESCRIPTION MATERIALS	
DRAWN BY: F. WINTER	CCNCCO	
DESIGN BY:	HOBBS DIVISION	
CHECKED BY:	JOB:	
APPROVED BY:	ELEC SPECS	
SCALE: NONE	SHEET 1 OF 3	

ITEM	DESCRIPTION	A. B. CHANGE NO.	JOSLYN NO.	OTHER MFRS. NO.	NO SUB.
1	Primary Cutout - 100 amp, 15 KV, 16000 amp int. cap. General Purpose type bolt clamp	ES-10156			X
2	14 size lug arrestor, 10 KV	UC 51045P			
3	14 size phase oil switch, 14.4 KV				
4	split bolt connector, size req'd				
5	grounding specs, see deg No. ES-11 & ES-1A, Note 3				
6	15' class 4 crossoset pine pole				
7	Aluminum deadend preforms for ACSR, size req'd				
8	30' class 6 crossoset pine pole				
9	60' class 6 crossoset pine pole				
10	ES-1A - Note 3				
11	ground connector, motor				
12	600 V. secondary lightning arrestor single phase				
13	Greenfield Type w/ liquid-tight flexible steel				
14	conduit, size req'd, w/ necessary liquid-tight				
15	connectors				
16	req'd size 18 fitting & cover & gasket				
17	transformer tank grounding terminal				
18	bird guards (insulating boots on transformer bushings)				

DATE: 12-27-71	TITLE: DESCRIPTION MATERIAL
DRAWN BY: E. WATKINS	
DESIGN BY:	
CHECKED BY:	
APPROVED BY:	
SCALE: NONE	PRODUCTION DEPT: HOBBS DIVISION JOB: ES-1 DRAWING NO.: SHEET 2 OF 3

ITEM	DESCRIPTION	A. B. CHANCE NO.	JOSLYN NO.	OTHER MFRS. NO.	NO SUB.
a	double upset bolt s/sq. nut, round washer, and corner key on short end, sq. nut and RF locknut on long end, 15 1/8" long (or length required), wet process porcelain secondary spool insulator, 3" brown glaze	7828			
b	required size conduit w/ servicehead(s) & req'd size & rated insulated conductors. Net, Dwg ES-1B or provide clamp and ground conduit parallel groove clamp, size req'd		U101	BUNNY SERIES "UC"	
c	secondary insulator clevis for 4" insulator 5/8" thick-plate nut	6510			
d	5/8" x 12" (or length req'd) straight thin-plate bolt w/eq. nut	5512			
e	transformer cluster mount bracket (small)			ALUMA FORM BM3-6	X
f	transformer cluster mount bracket (large)			ALUMA FORM BM3-6	X
g	req'd size rainlight disconnect & fuses, 3-phase, 600 V, Ref. Dwg No. ES-1B				
h	16" cross plate anchor (or size req'd) P-ay, expanding anchor (size req'd)	X-16 H8135			
i	4" brown glaze wet process porcelain secondary spool insulator		J0101		
j	5/8" x 7" thin-plate anchor rod w/nut (use twineye if req'd - Chance No. 5367)	5317 (AUT 55006P)			
k	3/4" high strength guy strand (10,800 lbs.)				
l	preferred guy wire for 3/8" guy strand	5010			
m	3/8" x 1/4" x 11/16" hole curved washer	6823 1/2			X
n	6" - guy clamp w/1-1/2" bolts				
o	rodion size strain insulator	6454			
p	service sleeve for 3/8" guy strand	7887			
q	3/16" x 2-1/2" x 7" lift plate				X
r	pole bottom ground plate (may use butt-wrapp if testined)				
s	round connection (See Dwg. ES-12)				
t	wet process porcelain secondary spool insulator, 3" - white glaze				
u	wet process porcelain secondary spool insulator, 4" - white glaze				

DATE: 12-27-71	TITLE: DESCRIPTION MATERIALS	
DRAWN BY: E. WINTER		
DESIGN BY:		
CHECKED BY:		
APPROVED BY:		
SCALE: NONE		
CONOCO HOBBBS DIVISION JOB: ELEC SPECS DRAWING NO: ES-1 SHEET 3 OF 3		



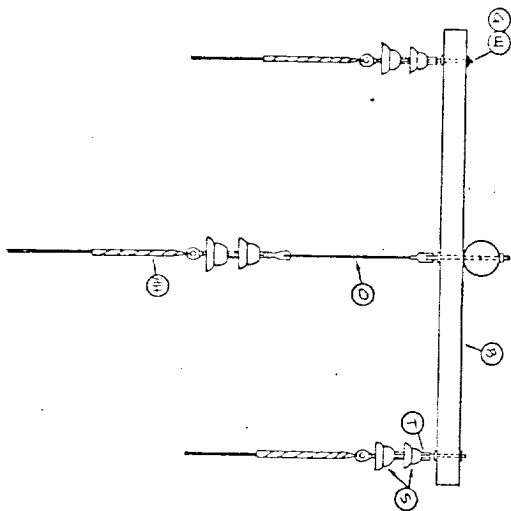
ANY LEADS WILL BE 1:1 ON ANGLES OF 60°-90° AND 4:3 ON ANGLES OF 60°-74°

NOTES:

1. ALL JUMPERS AND CONDUCTOR PHASES WILL BE INSULATED TYPE WIRE.
2. THIS CONSTRUCTION STANDARD TO BE USED ON ALL LINES BUILT ON NATIONAL RESOURCE LANDS. DO NOT INSTALL GROUND WIRE PAST NEUTRAL CONDUCTOR.

MATERIALS		
ITEM	DESCRIPTION	LEAD
1	POLE	2
2	ANCHOR, 8"	2
3	ANCHOR, 120D 5/8" x 7'	2
4	ANY ATTACHMENT HOOKS	2
5	ANY CABLE, 3/8" DIA.	2
6	ANY INSULATOR, 1000	2
7	ANY INSULATOR, KEENEY # 32305-24	2
8	CLAMP, 3-PHASE	2
9	ANY WIRE, 3/8"	2
10	CRACK ARM, 8"	2
11	PLATE, 3/8" x 8"	2
12	LUG, 3/8" x 1/2"	2
13	STEEL PIN 5/8" x 5"	2
14	BACK, 1-POINT	2
15	STEEL INSULATOR, 3"	2
16	POLE DIA. 5/8" x 10"	2
17	POLE DIA. 5/8" x 10"	2
18	POLE DIA. 5/8" x 10"	2
19	POLE DIA. 5/8" x 10"	2
20	EYE BOLT, 3/4" x 12"	2
21	INSULATOR, 2 1/4" x 12"	2
22	INSULATOR, 2 1/4" x 12"	2
23	LOCK WIRE, 3/8"	2
24	LOCK WIRE, 3/8"	2
25	PHASE CONDUCTOR, NO.	2
26	NEUTRAL CONDUCTOR, NO.	2
27	NEUTRAL CONDUCTOR, NO.	2
28	NEUTRAL CONDUCTOR, NO.	2
29	NEUTRAL CONDUCTOR, NO.	2
30	NEUTRAL CONDUCTOR, NO.	2
31	NEUTRAL CONDUCTOR, NO.	2
32	NEUTRAL CONDUCTOR, NO.	2
33	NEUTRAL CONDUCTOR, NO.	2
34	NEUTRAL CONDUCTOR, NO.	2

DATE: 7-15-77		TITLE: PRIMARY ANGLE STRUCTURE	
DRAWN BY: J. HORTON		60°-90° 12,500 VOLT WGR	
DESIGN BY:		CONOCO	
CHECKED BY: SV		PRODUCTION DEPT.	
APPROVED BY: SV		HOBBS DIVISION	
SCALE: 1/4" = 1'		JOB:	
		ELEC. SPECS.	
		DRAWING NO.: ES-27	



ITEM	QTY
1	1
2	3
3	3
4	1
5	1
6	2
7	3

NOTE:
FOR MATERIALS, SEE
DRAWING, ES-1

DATE: 7-15-71		TITLE: EPOXY INSULATOR (EXTENSION LINK)	
DRAWN BY: L. MATHILL		PRODUCTION DEPT. CONOCO	
DESIGN BY:		HOBBS DIVISION	
CHECKED BY: SK		DRAWING NO: ES-28	
APPROVED BY: SK		ELEC. SPECS.	
SCALE: 1/2" = 1"			