

ARTESIA, UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED BY
SUBMIT IN 3 REPLICATES
(Other instructions on back)
0012011985
O. C. D.
ARTESIA, OFFICE

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

5. LEASE DESIGNATION AND SERIAL NO.
LC 068282-B
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

1b. TYPE OF WELL

OIL ☒
WELL

GAS ☐
WELL

OTHER ☐

SINGLE ☒
ZONE

MULTIPLE ☐
ZONE

2. NAME OF OPERATOR

HANSON OPERATING COMPANY, INC. ✓

(Grant Smith)
(505-622-7330)

3. ADDRESS OF OPERATOR

P. O. Box 1515, Roswell, New Mexico 88202-1515

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

2310' FSL & 950' FWL of Section

At proposed prod. zone
same

(Unit L)
(NW 1/4 SW 1/4)

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

50 air miles west-southwest of Jal, New Mexico

11. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.

*Also to nearest drlg. unit line, if any)

950'

(330')

16. NO. OF ACRES IN LEASE

900.80

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

933'

19. PROPOSED DEPTH

± 7200'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3119' S.L.

22. APPROX. DATE WORK WILL START*

October 15, 1985

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#	± 1050'	Sufficient to circulate
11 "	8 5/8"	24 & 32#	± 4050'	250 sacks
7 5/8"	5 1/2"	15.5#	± 7200'	Tie 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

23. ABOVE STATE 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.

SIGNED

James A. Knaut

TITLE

Agent

DATE Sept. 28, 1985

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE 10-18-85

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form OGC-1
Superseded OGC-1A
Effective 1-1-81

All distances must be from the outer boundaries of the Section

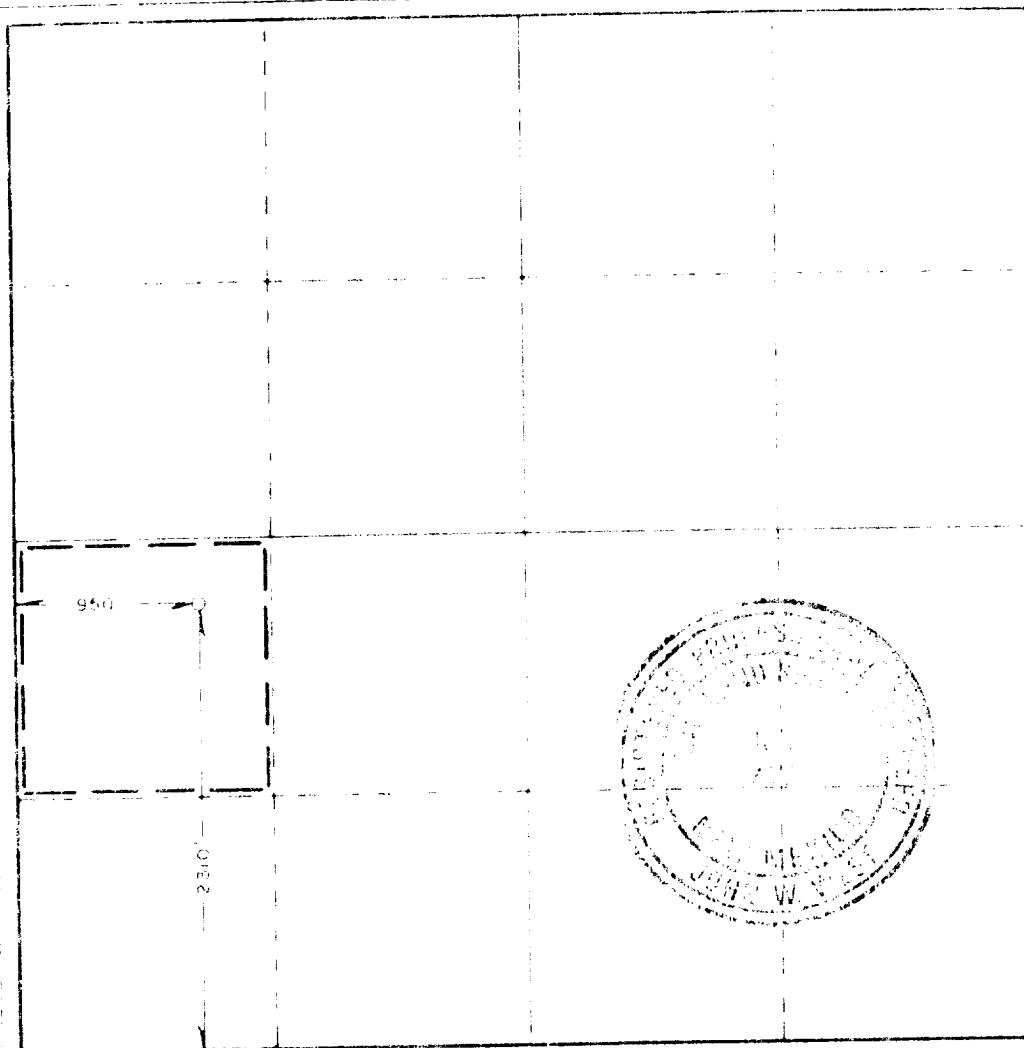
LEASE OPERATING COMPANY			LEASE NO.		ACRES
Section	Range	Township	Block	Lot	
2310	30	10N	10E	10E	40
Producing Formation			Estimated Acreage		
Brushy Canyon			North Mason - Delaware		40

- 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 thereof (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 (if so reverse side of this form if necessary.) _____

Not 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 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

James A. Knauf
Agent

HANSON OPERATING CO., INC.

September 27, 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.

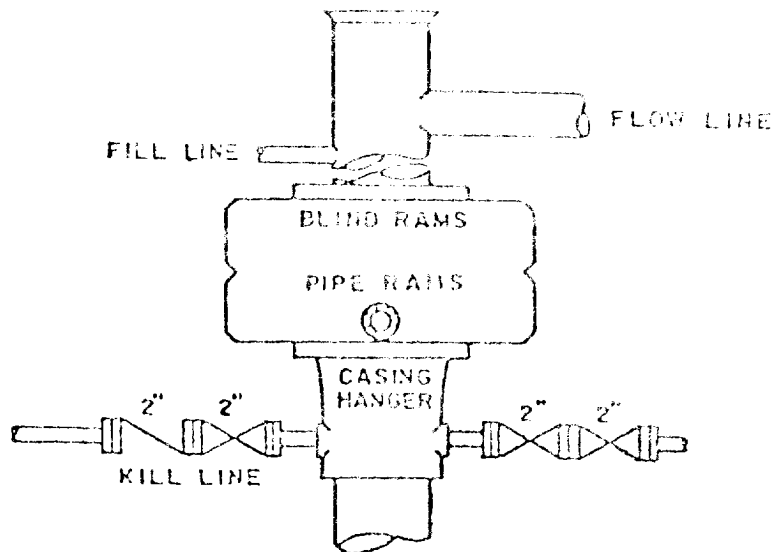
John W. West
Professional Engineer
in Oil and Gas Surveying

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

130 660 90 1320 1680 1940 2310 2640 2000 1500 1000 500

BLOWOUT PREVENTER SKETCH

Hanson Operating Company, Inc.
Well #17 Hanson Federal
2310' FSL & 950' FWL Sec. 25-26S-31E



900 Series

SUPPLEMENTAL DRILLING DATA

HANSON OPERATING COMPANY, INC.
WELL #17 HANSON CENTRAL
NW1/4 SW4 SEC. 25-26S-31E
RODNEY COUNTY, NEW MEXICO

1. SURFACE FORMATION: Outcrops.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Achynite	980'	Delaware Sand	4150'
Base Lower Salt	5900'	Cherry Canyon	5100'
Delaware Lime	4110'	Brushy Canyon	6400'

3. POSSIBLE HYDROCARBON BEARING ZONES:

Salt Canyon: Oil
Cherry Canyon: Oil
Brushy Canyon: Oil

4. CASING DESIGN:

Size	Interval	Weight	Grade	Joint
13 3/8"	0 - 1050'	48.0#	J-55	STC
8 5/8"	0 - 2450'	24.0#	J-55	STC
	2450 - 4050'	32.0#	J-55	STC
5 1/2"	0 - 7200'	15.5#	J-55	STC

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

6. CIRCULATING MEDIUM:

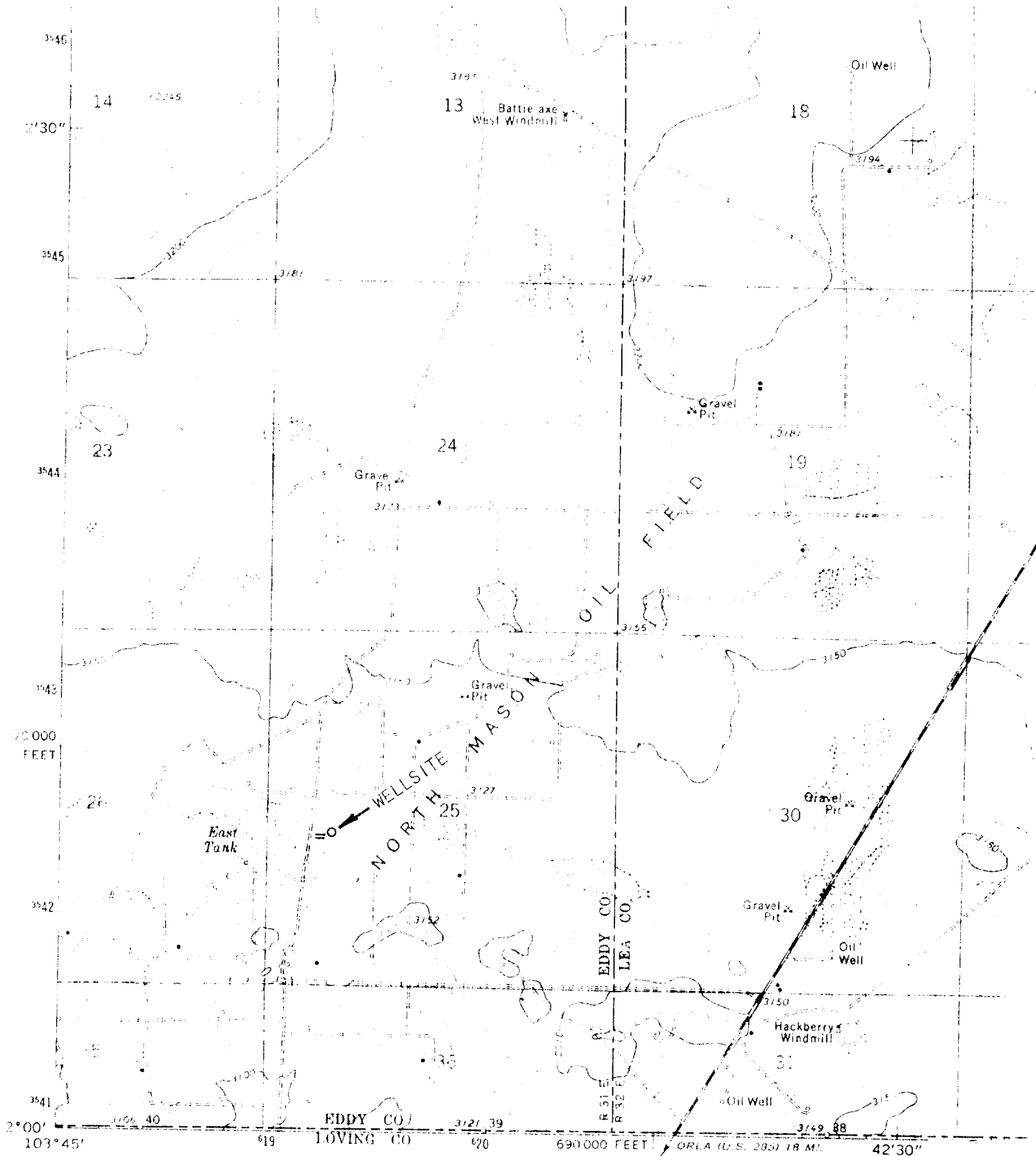
0 - 1050' Fresh water with gel or fluid as needed.
1050 - 4050' Brine.
4050 - 7200' Out brine conditioned as necessary for control of viscosity and water loss.

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 GAS: None anticipated.

10. ANTICIPATED STARTING DATE: It is planned that operations will commence about October 15, 1985. Duration of drilling, testing, and completion operations should be 3 to 9 weeks.



Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1971. Field checked 1973

Projection and 10,000-foot grid ticks: New Mexico coordinate system, east zone (transverse Mercator)
1000-metre Universal Transverse Mercator grid ticks zone 13, shown in blue. 1927 North American datum

Fine red dashed lines indicate selected fence lines

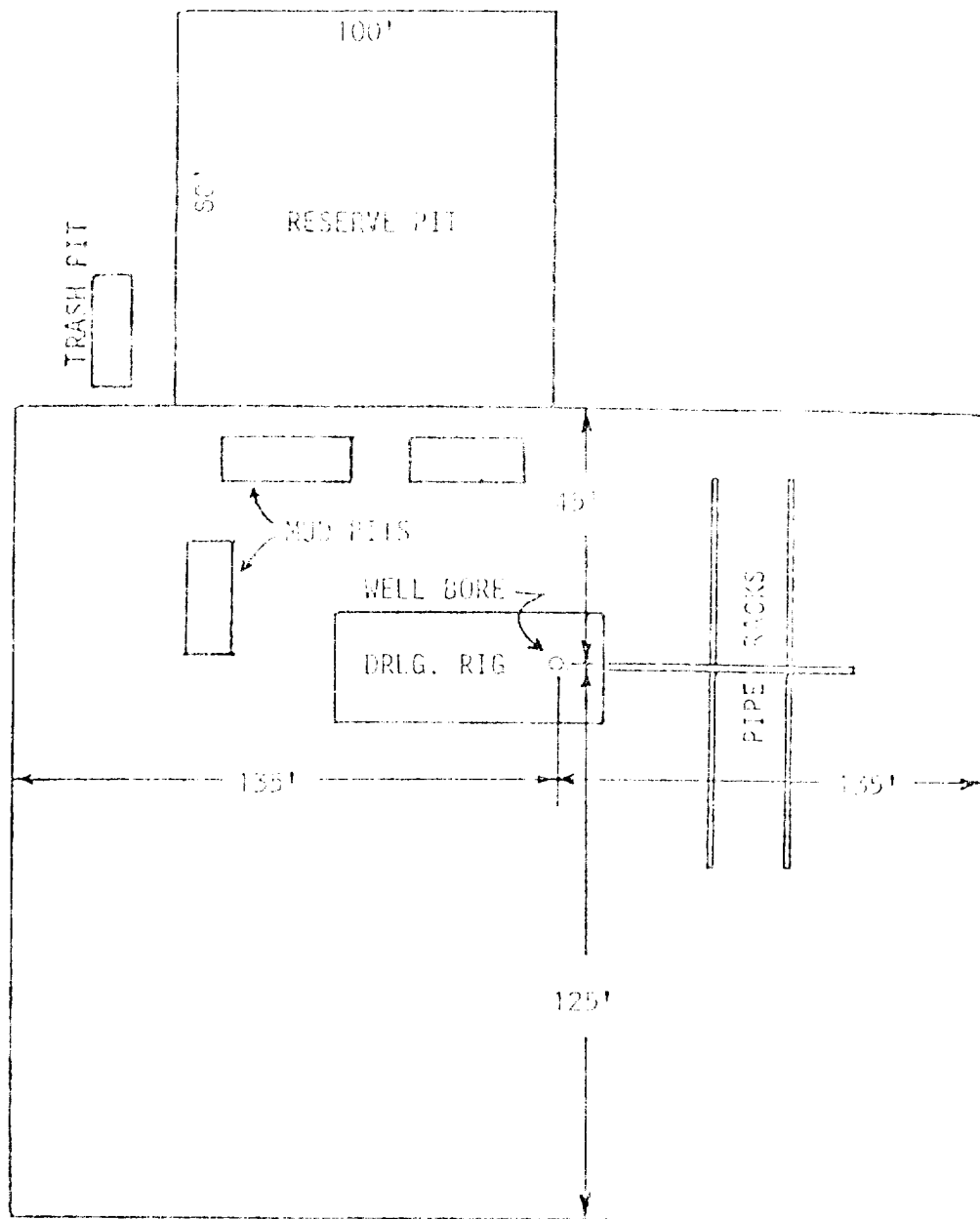
SUP Exhibit "B"
TOPOGRAPHIC MAP

Hanson Operating Company, Inc.

Well #17 Hanson Federal

2310' FSL & 950' FWL Sec. 25-26S-31E

UTM GRID AND 1973 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET



SUP Exhibit "D"
 SKETCH OF WELL PAD

Hanson Operating Company, Inc.
 Well #17 Hanson Federal
 2310' PSL & 950' FWL Sec. 25-26S-31E