

cc: JWC
9/20/93
big KJ for you

Unocal Energy Resources Division
Unocal Corporation
14141 Southwest Freeway
Sugar Land, Texas 77478
Telephone (713) 491-7600
Facsimile (713) 287-7388

RECEIVED

SEP 20 1993

UNOCAL 76

**DIVISION OF
OIL, GAS & MINING**

September 16, 1993

John C. Merritt, Jr.
Asset Manager
Rocky Mountain Asset Group
Central U.S. Business Unit

Mr. Roger Zortman, District Manager
Moab District Office
Bureau of Land Management
P. O. Box 970
Moab, UT 84532

RE: Grand Resource Area
1988 RMP Oil & Gas
Supplemental Environmental Assessment

Dear Mr. Zortman,

Union Oil Company of California (Unocal) is contemplating oil and gas exploration/development activities in the Grand Resources Area in the near future. Plans may include the formation of an 18,000 acre (more or less) federal exploratory unit to the northwest of Unocal's Lisbon Unit.

According to the December, 1988 RMP Oil & Gas Supplemental Environmental Assessment for the Grand Resource Area, the area of contemplated activity is located in the outline denoting the Lisbon Valley Anticline, an area classified in the Assessment as having a high potential and a high certainty for oil and gas occurrence.

As a preliminary step to the contemplated activities, and before investing a considerable amount of financial resources in the area for lease acquisition, permitting, seismic research and geologic and geophysical studies, we respectfully request a clarification of the status of the drilling permits applied for and permits issued as well as the possibility of additional permits being issued in the event of a discovery and the subsequent need for full field development in this area.

Therefore at your earliest convenience, please respond to the undersigned addressing the following points regarding drilling in the Lisbon Valley Anticline outline area:

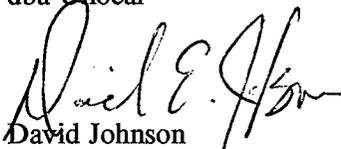
1. How many drilling permits have been issued by the BLM since the December 1988 supplemental assessment was done?
2. How many drilling permits have been applied for and are awaiting BLM approval?



3. How many drilling permits will the BLM issue for this area under the current RMP? If needed for additional development wells, would the BLM consider issuing additional permits?
4. Please address any other points that you feel are relevant that have not been listed.

Your assistance in this matter is greatly appreciated. Please feel free to call the undersigned at (713) 287-5543 if you have any questions or need additional information.

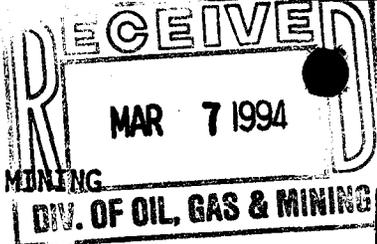
Sincerely,
Union Oil Company of California
dba Unocal


David Johnson
Rocky Mountain Asset Group - Land

CC: Mr. James M. Parker, State Director
Bureau of Land Management
P. O. Box 45155
Salt Lake City, UT 84145-0155

✓ Mr. James Carter, Director
Division of Oil, Gas and Mining
State of Utah
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING



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
UNION OIL COMPANY OF CALIFORNIA

3. Address of Operator
P. O. Box 2620, Casper, WY 82602 (307) 234-1563, ext. 116

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
 At surface
 285' FNL & 280' FEL
 At proposed prod. zone
 1856' FSL & 983' FFL, Sec. 29 (End of Horizontal Section)

14. Distance in miles and direction from nearest town or post office*
Approximately 30 miles SE of Moab, Utah

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drilg. line, if any) 280'

16. No. of acres in lease 640

17. No. of acres assigned to this well N/A *

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. 0

19. Proposed depth 9865' TD

20. Rotary or cable tools Rotary

21. Elevations (Show whether DF, RT, GR, etc.) 6729' GR

22. Approx. date work will start* April 1-15, 1994

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
14 3/4"	11 3/4"	47# 1-55	1000'	600 sxs
9 7/8"	7 5/8"	33.7# S-95/29.7#	N-80 8190' TVD/8665' MD	850 sxs-2 stage w/"DV" tool @ ± 7000'
6 1/2"	5" slotted liner	15# N-80	9865' MD	None

PROPOSED DRILLING PLAN:

Drill 20" hole to 60'. Run & cmt 16" conductor w/ rathole machine. MIRU rotary rig & equipment. Drill 14 3/4" hole to 1000' w/ fresh water spud mud. Run & cmt to surface 11 3/4" csg. Nipple up & test 5000# BOP equip. Drill 9 7/8" hole w/ fresh water mud system to ± 4350' (Top of salt @ ± 4490'). Change mud system over to saturated salt system. Continue drilling 9 7/8" hole to ± 7650' K.O.P. Initiate kick-off @ ± 7650' building angle @ ± 12°/100' to ± 72° @ ± 8190' TVD/ ± 8665' MD - Top of Cane Creek formation. NOTE: The 9 7/8" hole from the top of the salt to top of the Cane Creek (continued on attached)

NOTE: Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Union Oil Company of California (BLM Bond # CA0048).

*This is a proposed federal unit. All spacing & well locations waived under unit agreement.

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. I hereby certify that this report is true and complete to the best of my knowledge.

Sign: Jim Benson Title Drilling Superintendent Date 2/28/94

(This space for federal or State office use)
 API NO. 43-037-31738

APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING

Approved by _____
 Conditions of approval, if any:

Title _____ DATE: _____
 BY: _____
 WELL SPACING: _____

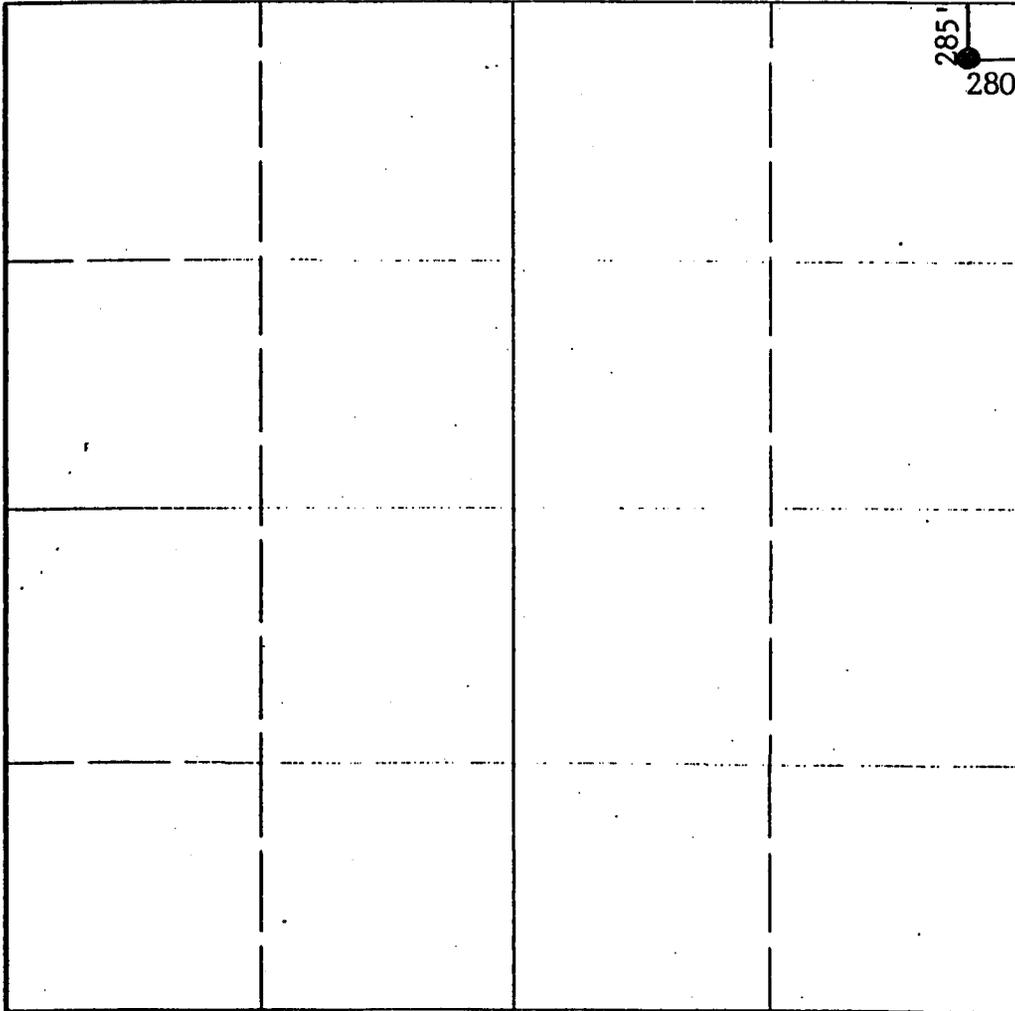
*See Instructions On Reverse Side

Coyote Unit #1
Proposed Drilling Plan
Page 2

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NOTE: The 6 1/2" hole section will be drilled with a saturated salt mud system (12 ppg) unless unstable hole conditions and/or pressure is encountered. If these conditions are encountered, the mud will be changed out to a weighted Invert Oil Mud 12 ppg - 17.5 ppg. If necessary, a 5" slotted liner will be run through the horizontal section. Complete with 2 7/8" tbq.

Company UNOCAL
Well Name & No. COYOTE UNIT 1
Location 285 E/NL & 280 E/EL S.I.M.
Sec. 32 T 29 S R 24 E S.E.H. County San Juan Utah
Ground Elevation 6729



Scale: 1" = 1000'

Surveyed January 22 19 94

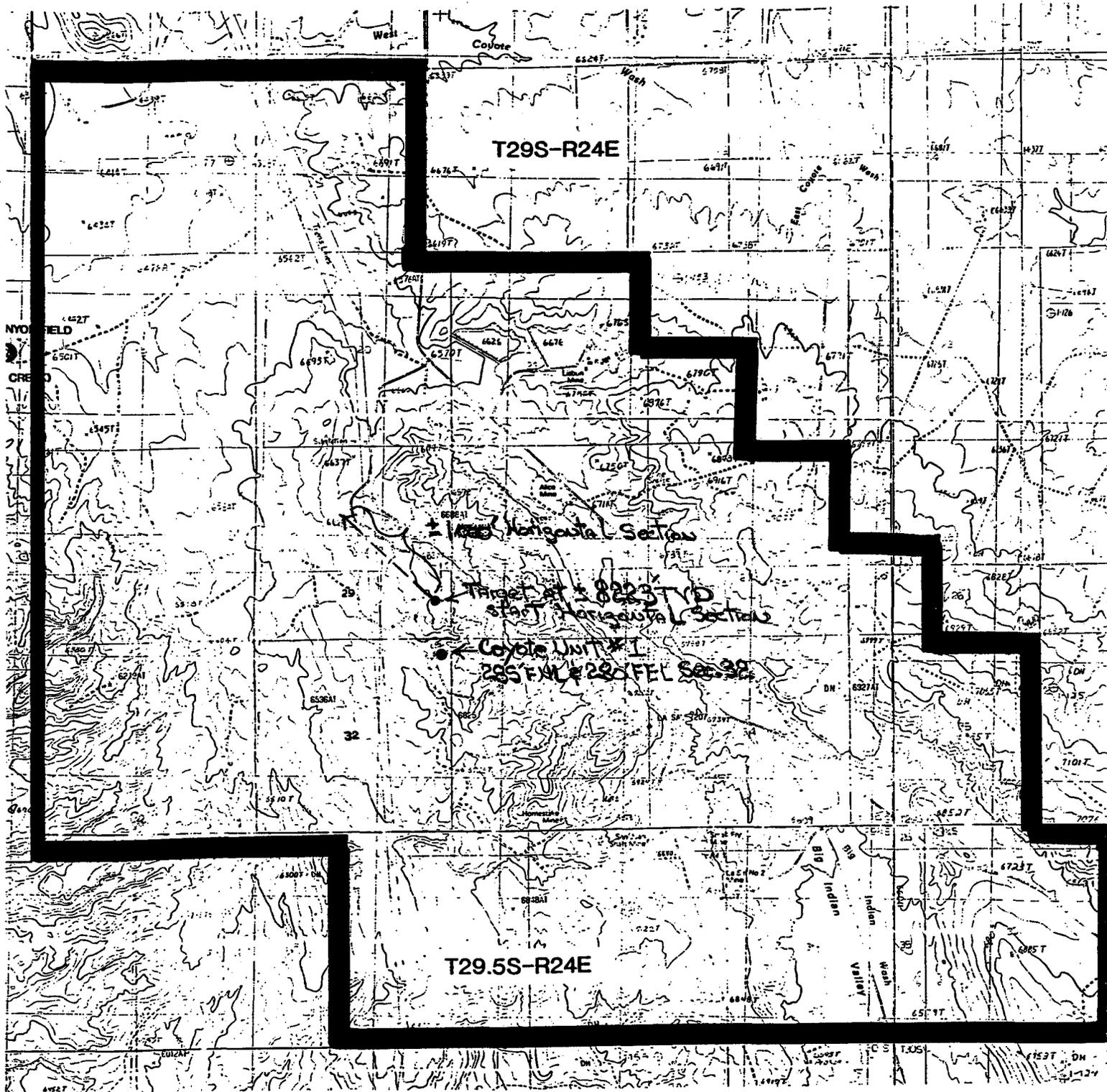
This is to certify that the above plat was prepared from field
actual surveys made by me or under my supervision and
are true and correct to the best of my knowledge



Cecil B. Tullis

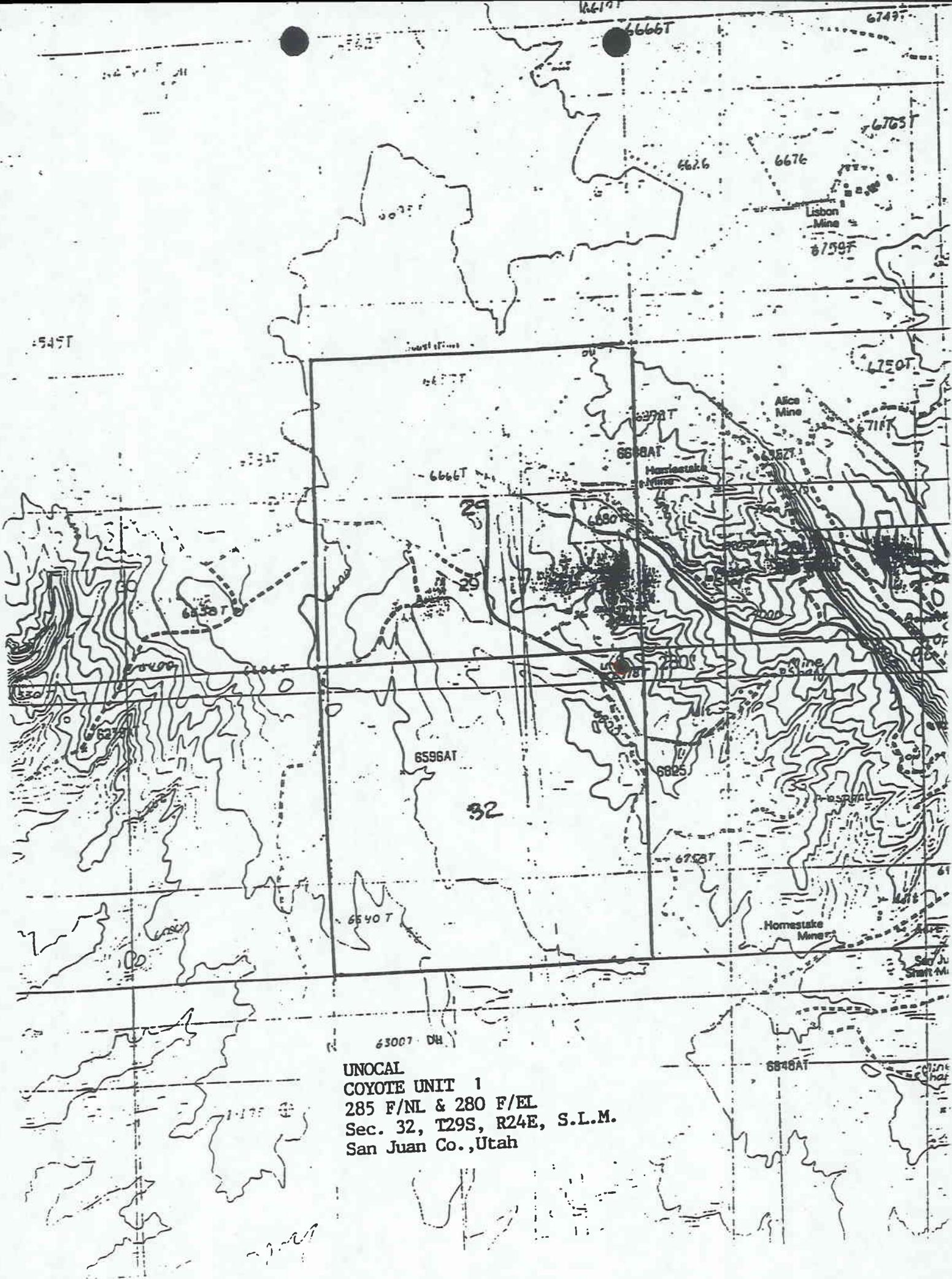
Cecil B. Tullis
Registered Land Surveyor
New Mexico Reg. No. 9672
Non Resident Certification as
Authorized by Utah State Law
58-22-21 (b)

UNION OIL COMPANY OF CALIFORNIA



COYOTE UNIT
SAN JUAN COUNTY, UTAH



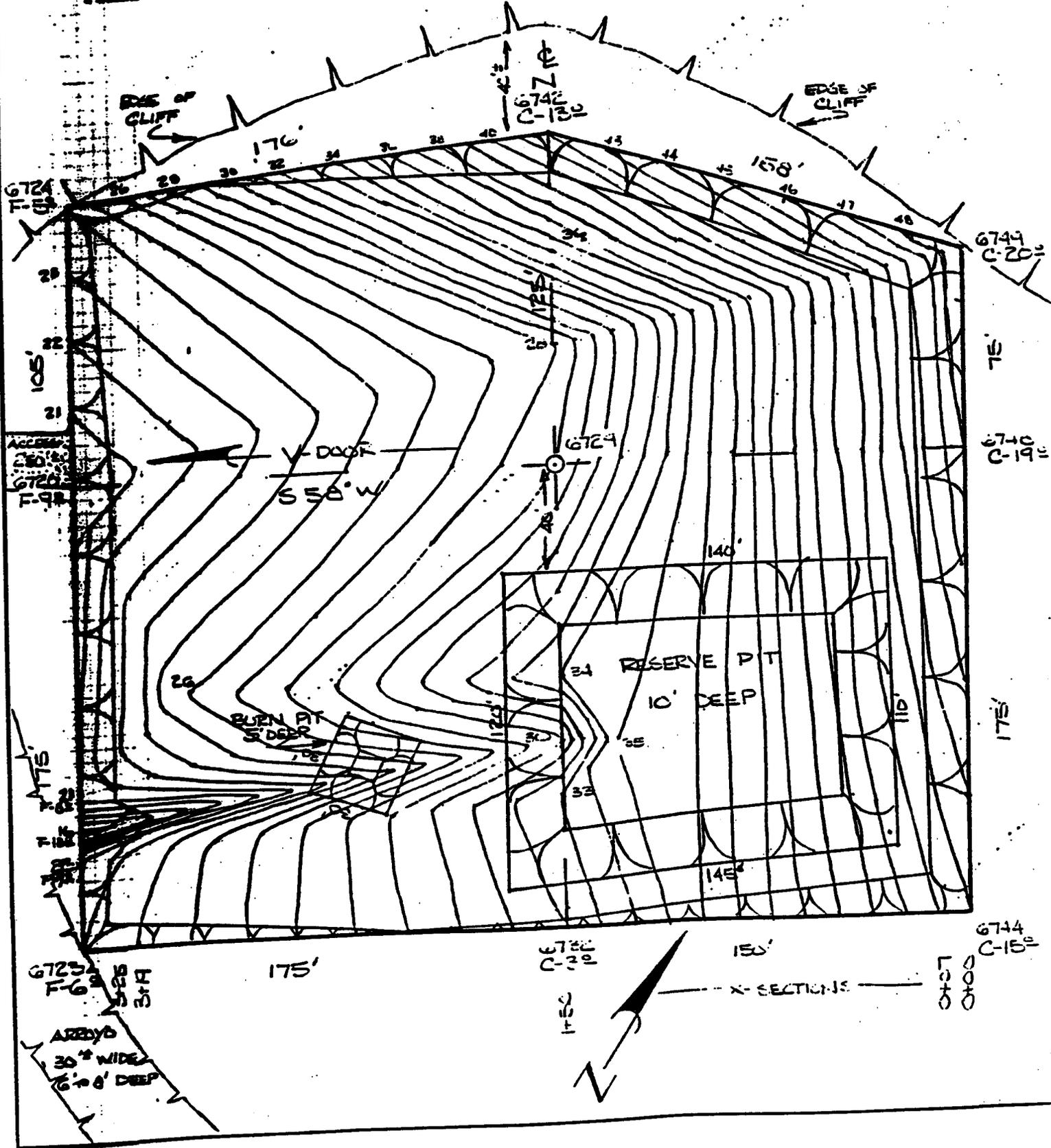


UNOCAL
COYOTE UNIT 1
285 F/NL & 280 F/EL
Sec. 32, T29S, R24E, S.L.M.
San Juan Co., Utah

Scale 1" = 50'

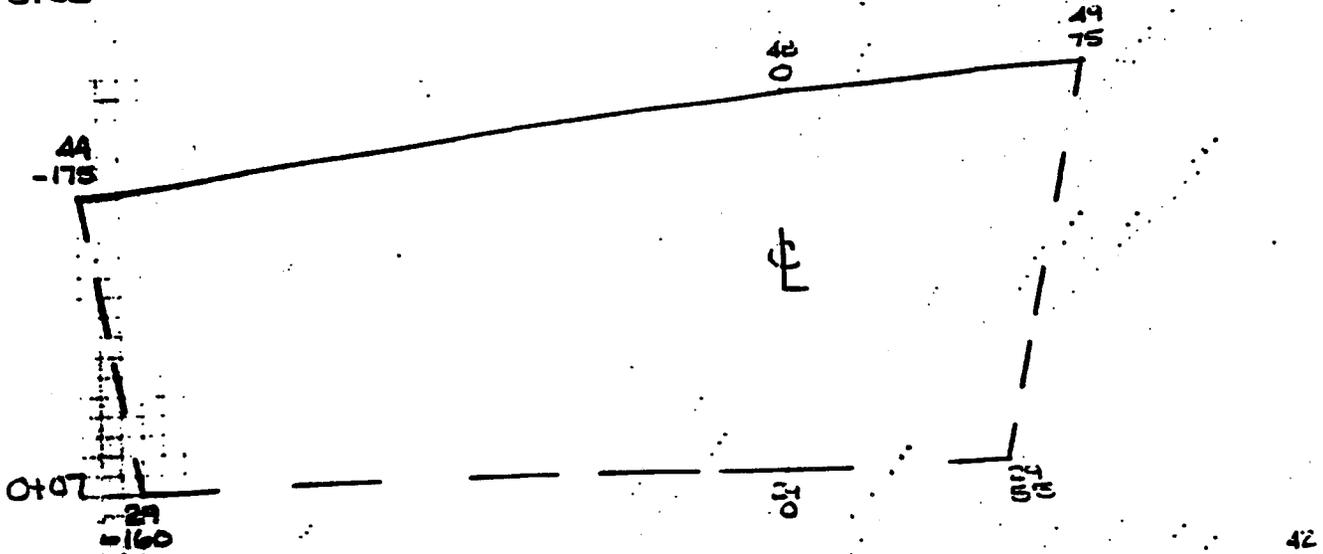
COYOTE UNIT 1
285 F/NL & 280 F/EL
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San Juan Co., Utah

NOTE: CUTS ARE @ 1:1
FILLS ARE @ 1 1/2:1

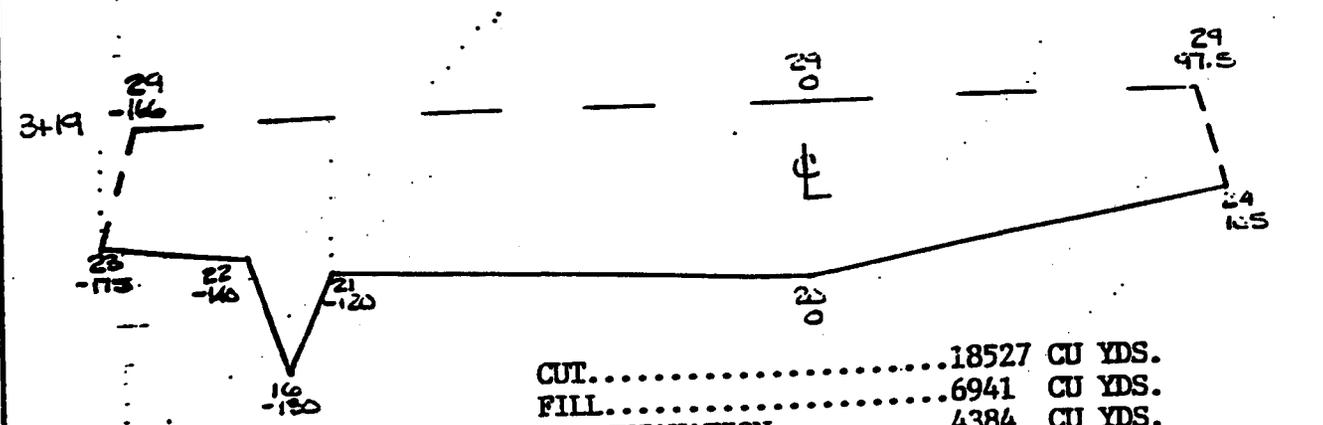
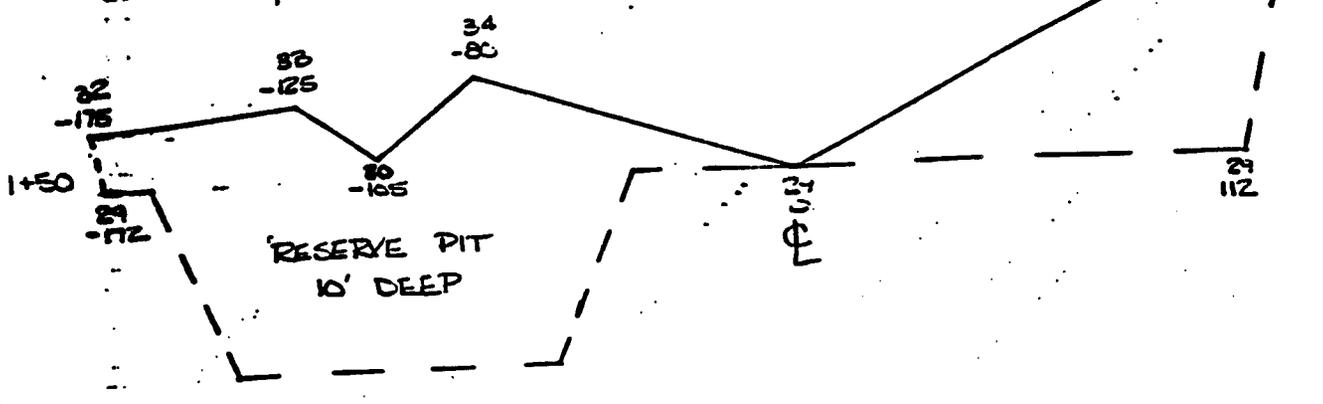


Scale: Horz. 1" = 50'
Vert. 1" = 10'

COYOTE UNIT 1
ZERO CUT/FILL



X-SECTION AND VOLUMES

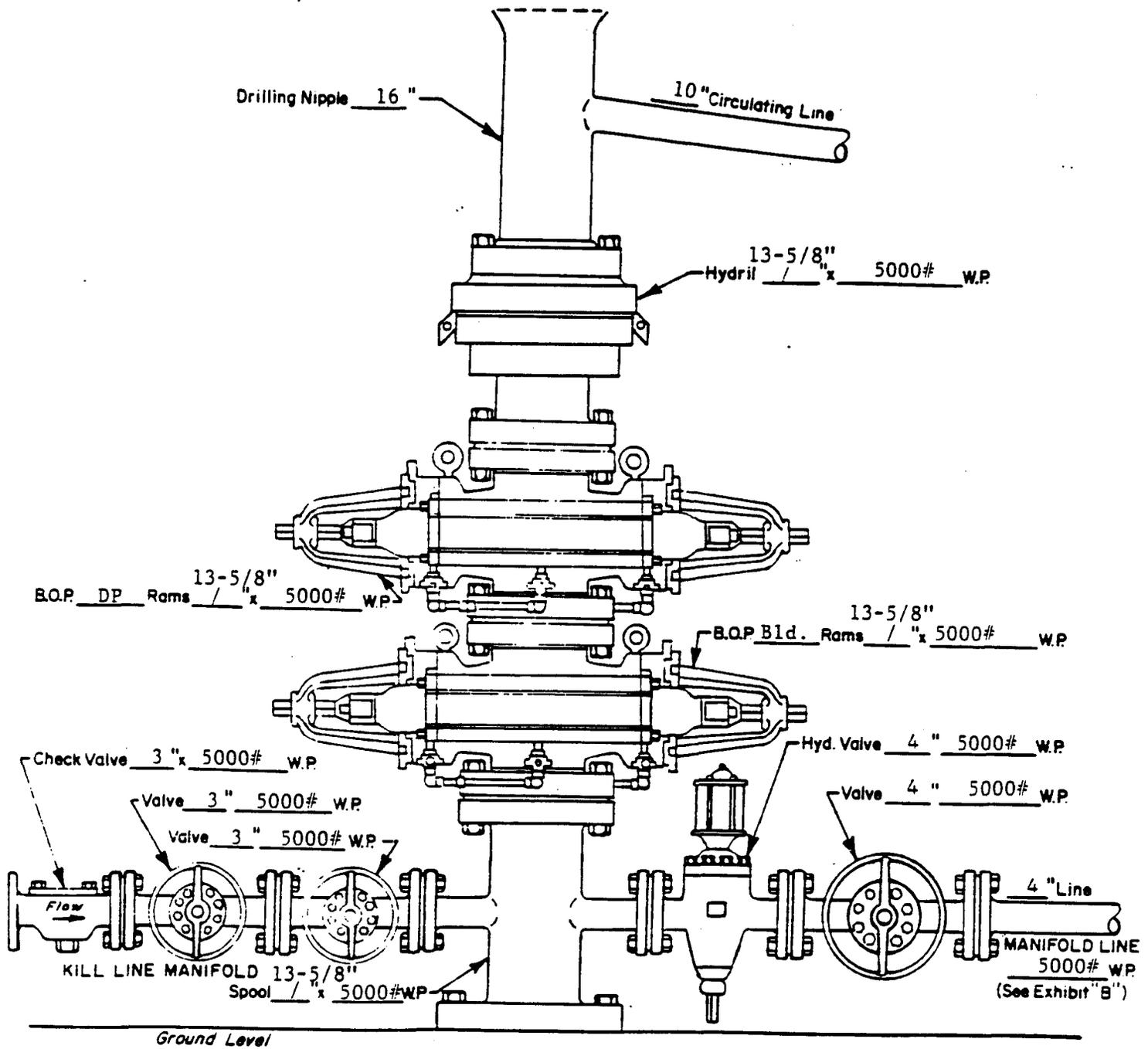


CUT.....	18527	CU YDS.
FILL.....	6941	CU YDS.
PIT EXCAVATION.....	4384	CU YDS.

ZERO CUT/FILL

3+25

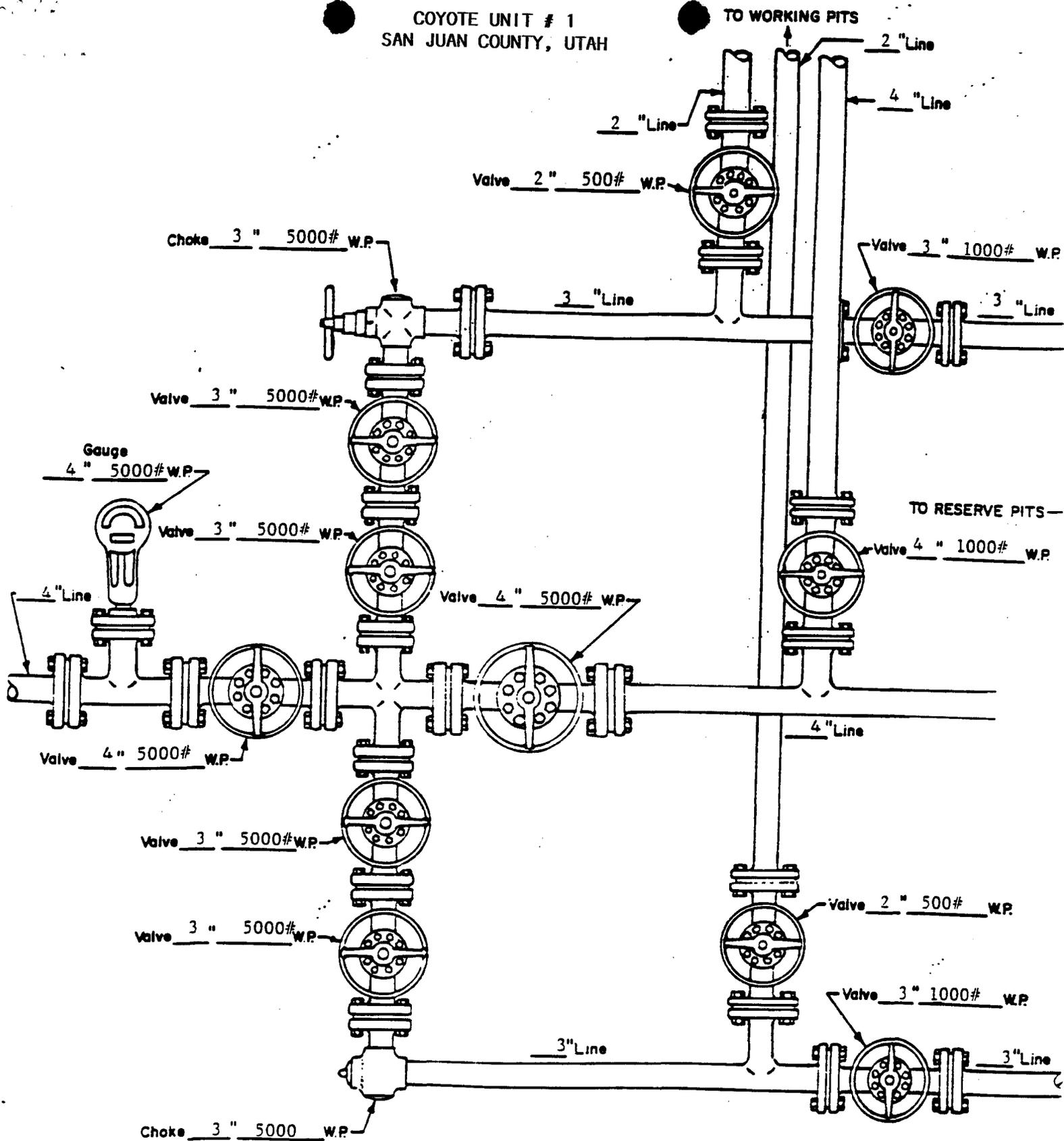
COYOTE UNIT # 1
 SAN JUAN COUNTY, UTAH



WELL HEAD B.O.P.
 5000 # W.P.

- Manuel
- Hydraulic

COYOTE UNIT # 1
SAN JUAN COUNTY, UTAH



MANIFOLD
5000 #W.P.

- Manual
- Hydraulic

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED
MAR 7 1994
DIV. OF OIL, GAS & MINING

5. Lease Designation and Serial No.
State - ML 45822

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

6. If Indian, Allottee or Tribe Name
N/A

7. Unit Agreement Name
Coyote Unit

8. Farm or Lease Name

2. Name of Operator
UNION OIL COMPANY OF CALIFORNIA

9. Well No.
1

3. Address of Operator
P. O. Box 2620, Casper, WY 82602 (307) 234-1563, ext. 116

10. Field and Pool, or Wildcat
Coyote

4. Location of Well (Report location clearly and in accordance with any State requirements.)
 At surface
 285' FNL & 280' FEL
 At proposed prod. zone
 1856' FSL & 983' FEL, Sec. 29 (End of Horizontal Section)

11. Q. Sec., T., R., S., or 8th. and Survey or Area
Sec. 32, T29S, R24E

14. Distance in miles and direction from nearest town or post office*
Approximately 30 miles SE of Moab, Utah

12. County or Parish 13. State
San Juan Utah

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest dirk. line, if any) 280'
 16. No. of acres in lease 640

17. No. of acres assigned to this well
N/A *

18. Distance from proposed location to nearest well, drilling, completed, or applied for, on this lease, ft. 0
 19. Proposed depth 9865' TD

20. Rotary or cable tools
Rotary

21. Elevations (Show whether DF, ET, GR, etc.)
6729' GR

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April 1-15, 1994

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24. I hereby certify that this report is true and complete to the best of my knowledge.
 Signed: Jim Benson Title: Drilling Superintendent Date: 2/28/94

(This space for general or State office use)

API NO. _____ Approval Date _____

Approved by _____ Title _____ Date _____
 Conditions of approval, if any:

*See Instructions On Reverse Side

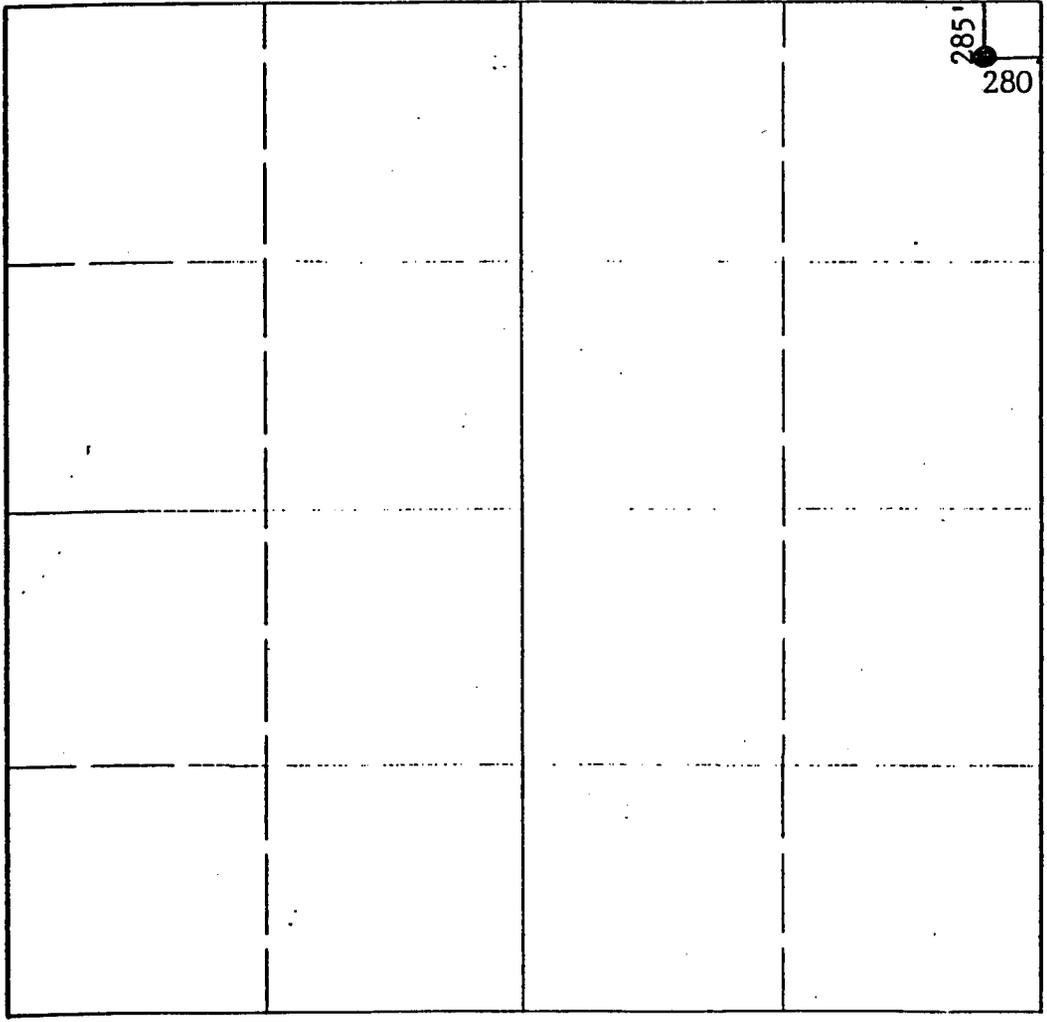
1037852
409822

Coyote Unit #1
Proposed Drilling Plan
Page 2

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Company UNOCAL
Well Name & No. COYOTE UNIT 1
Location 285 F/NL & 280 F/EL S.L.M.
Sec. 32 T 29 S R 24 E S.L.M. County San Juan Utah
Ground Elevation 6729



Scale: 1" = 1000'

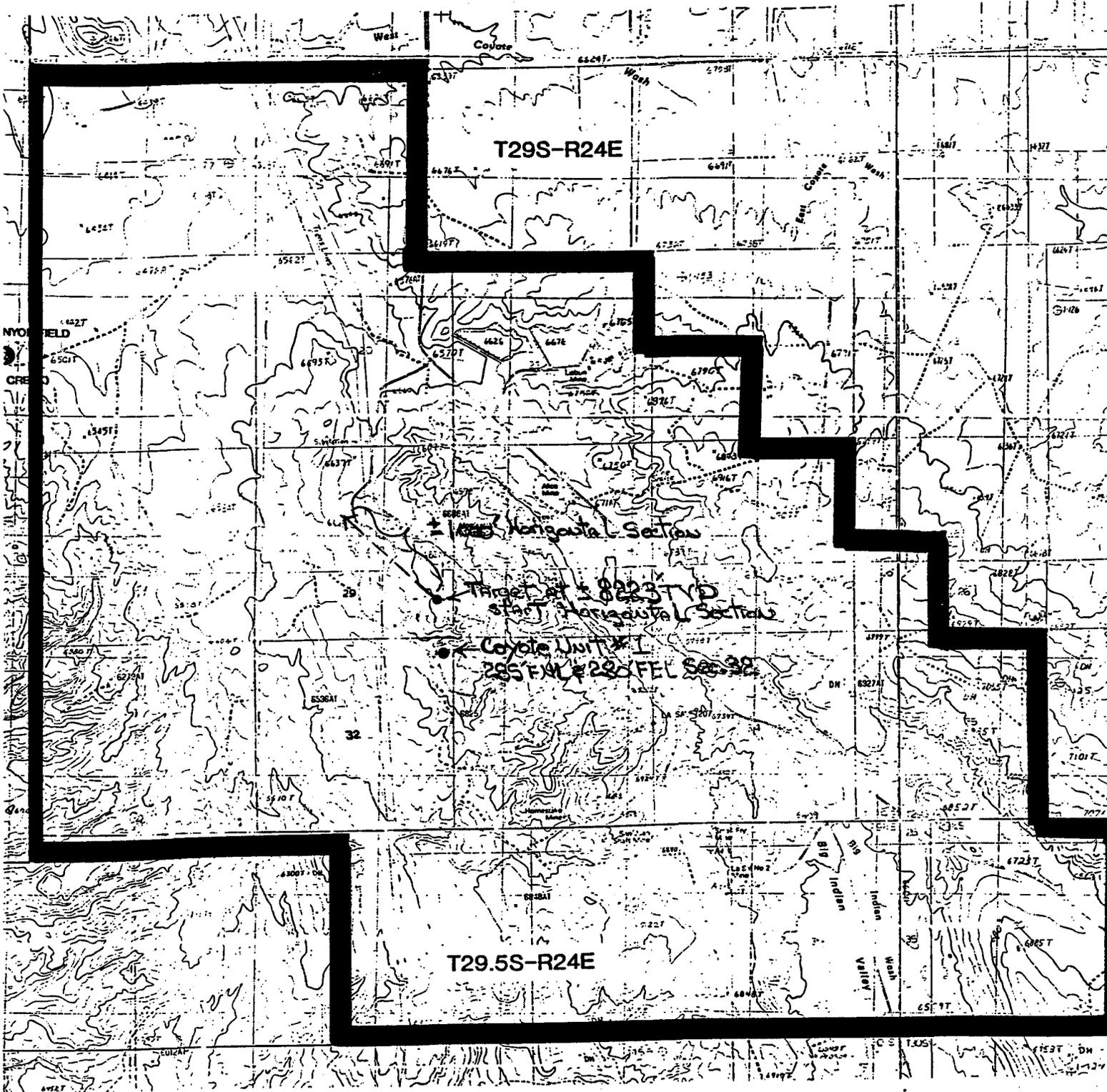
Surveyed January 22 19 94

This is to certify that the above plat was prepared from field actual surveys made by me or under my supervision and are true and correct to the best of my knowledge



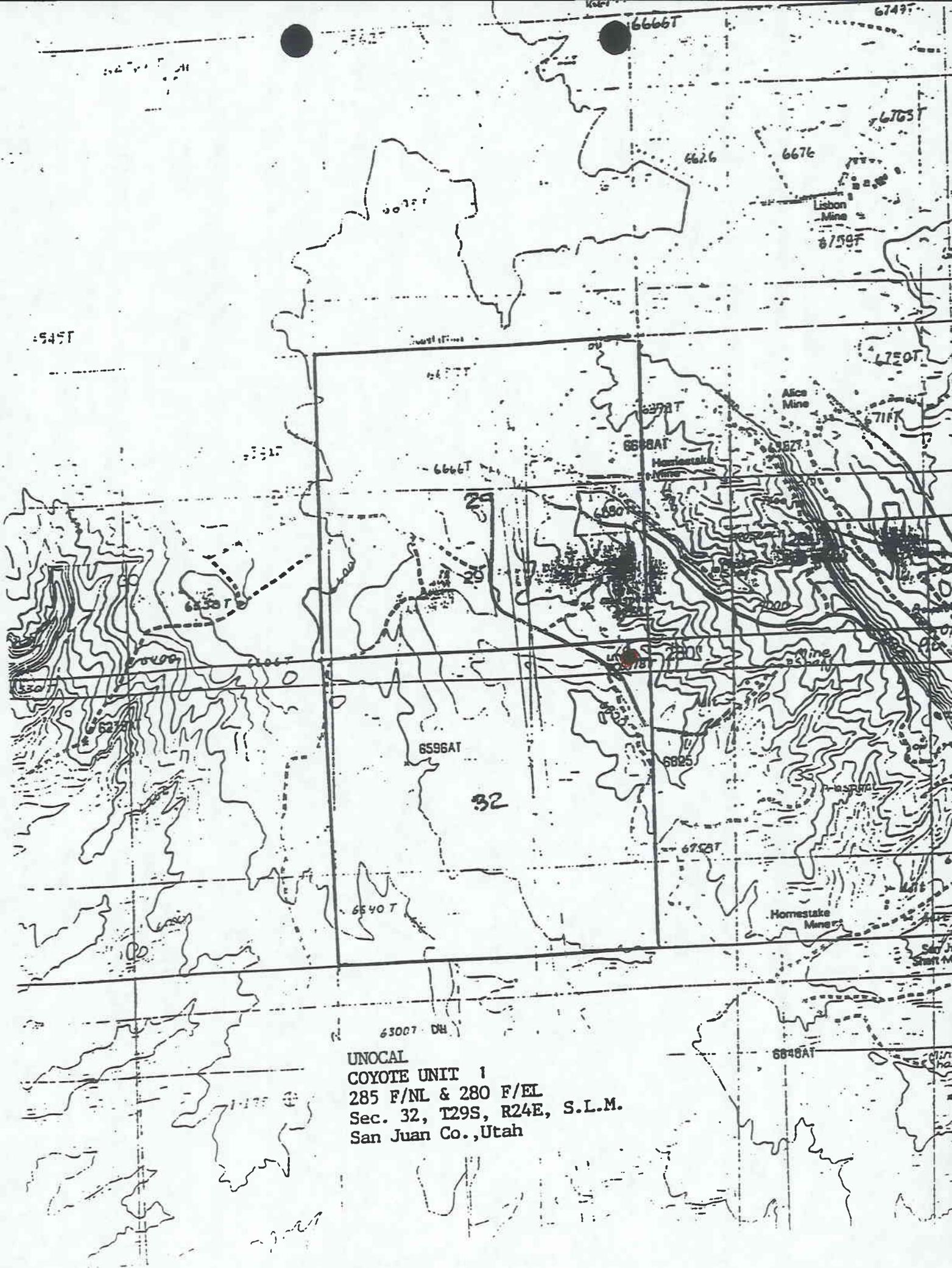
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Registered Land Surveyor
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58-22-21 (b)

UNION OIL COMPANY OF CALIFORNIA



COYOTE UNIT
SAN JUAN COUNTY, UTAH



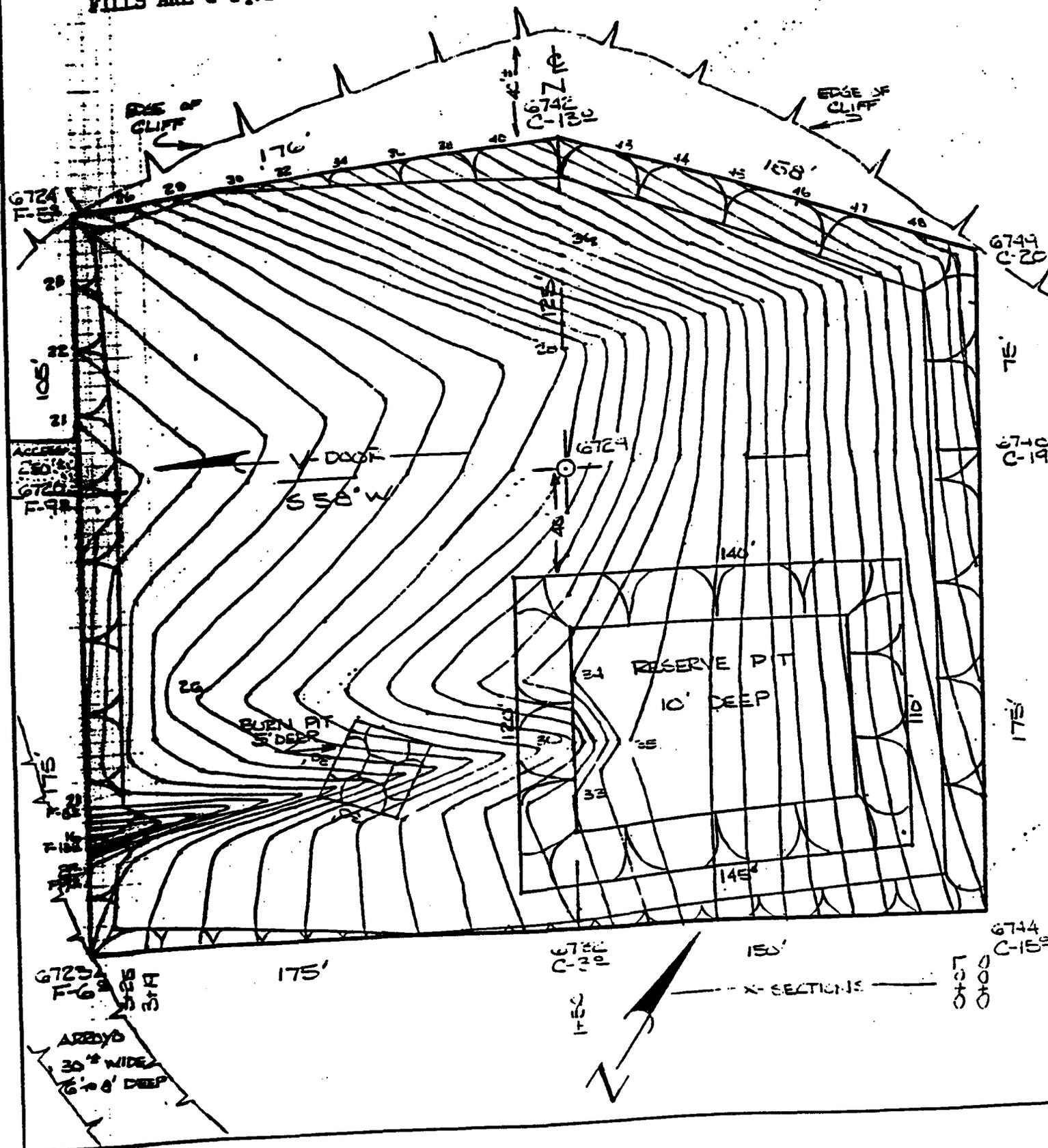


UNOCAL
COYOTE UNIT 1
285 F/NL & 280 F/EL
Sec. 32, T29S, R24E, S.L.M.
San Juan Co., Utah

Scale 1" = 50'

COYOTE UNIT 1
285 F/NL & 280 F/EL
Sec. 32 T29S R24E, S.L.M.
San Juan Co., Utah

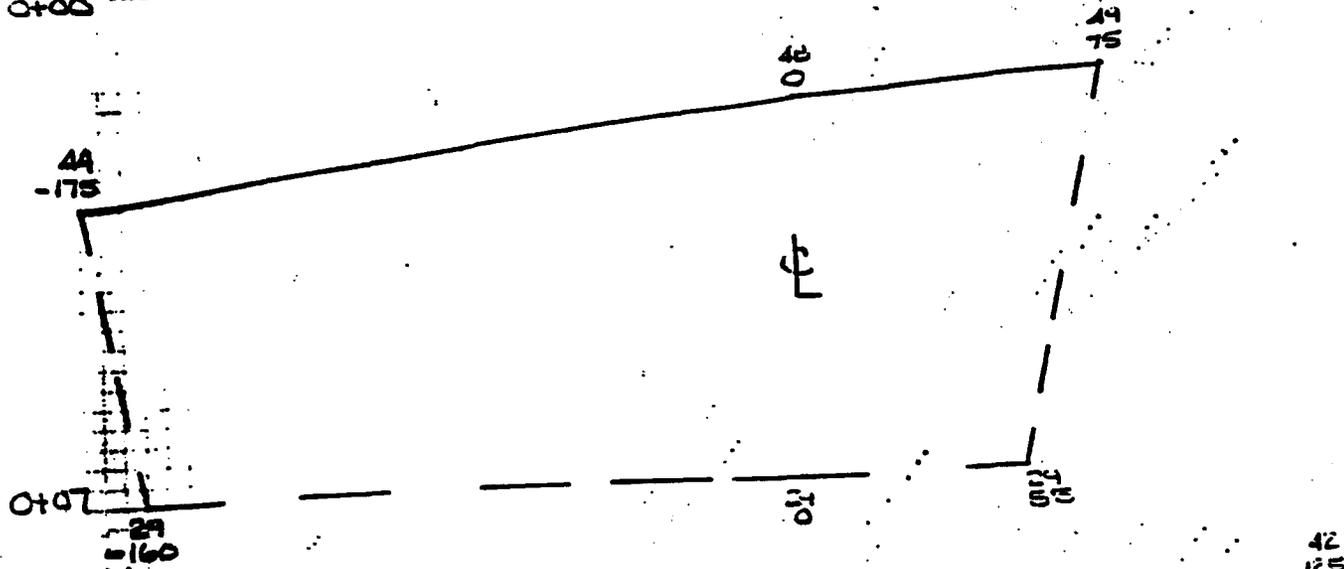
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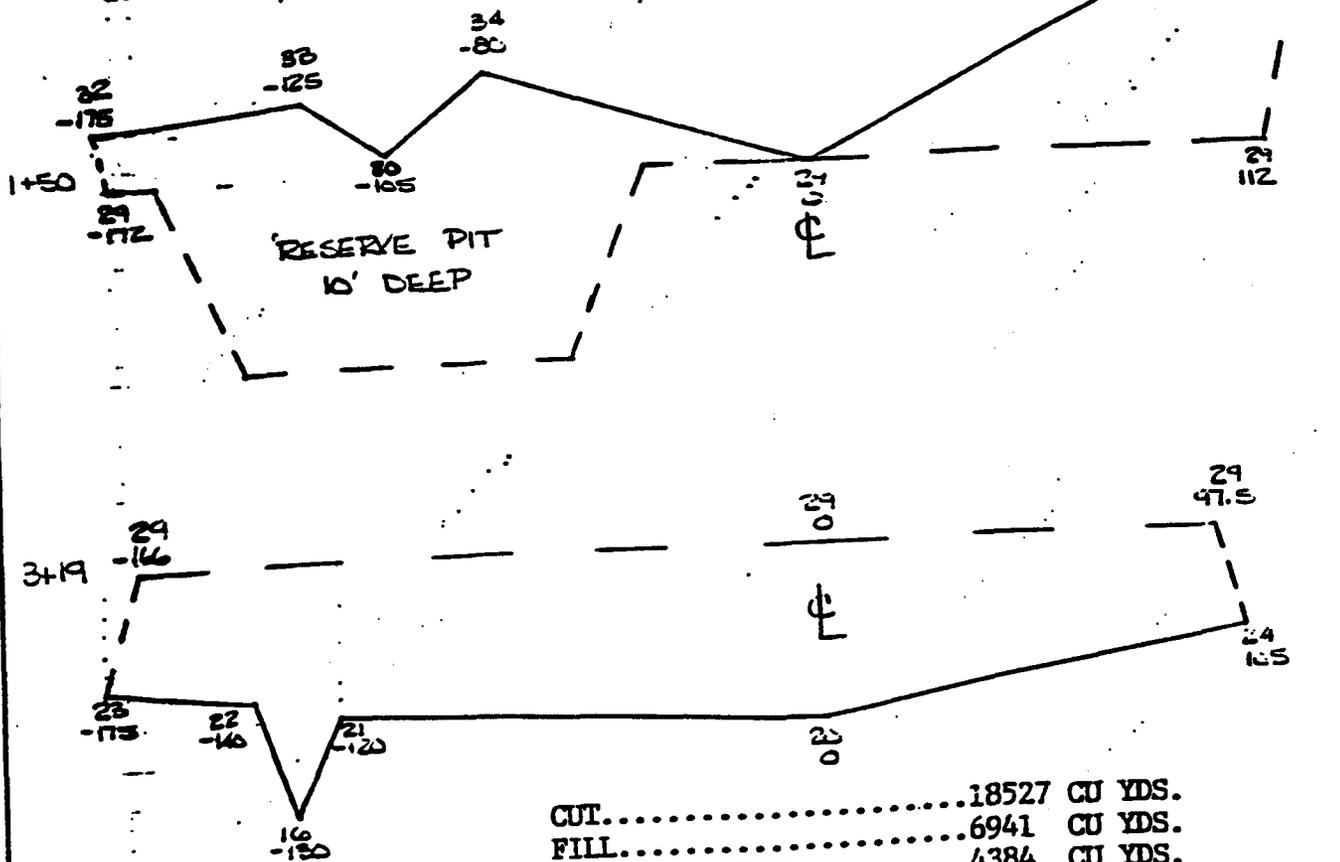
COYOTE UNIT 1

ZERO CUT/FILL

Scale: Horz. 1" = 50'
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X-SECTION AND VOLUMES

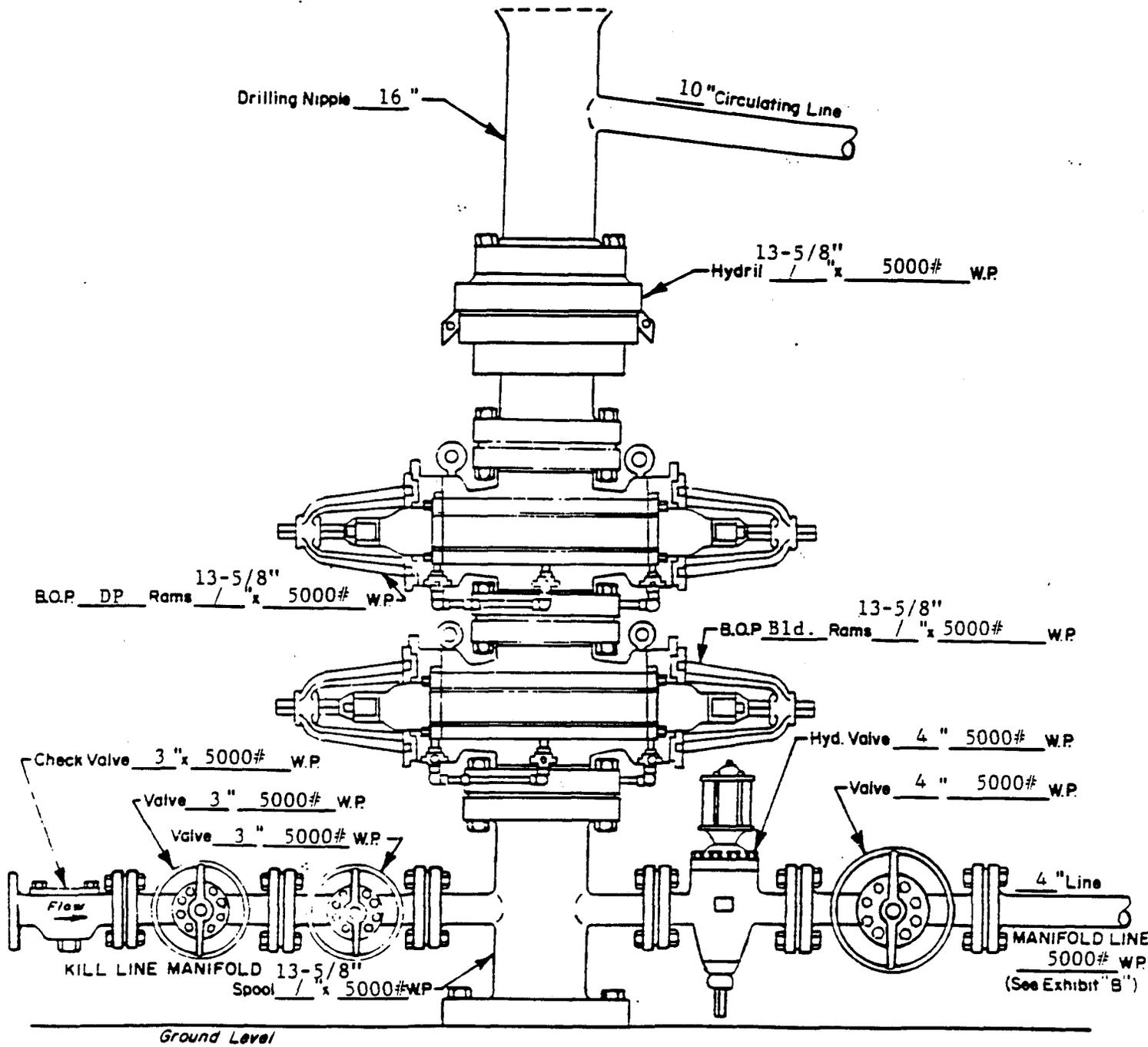


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ZERO CUT/FILL

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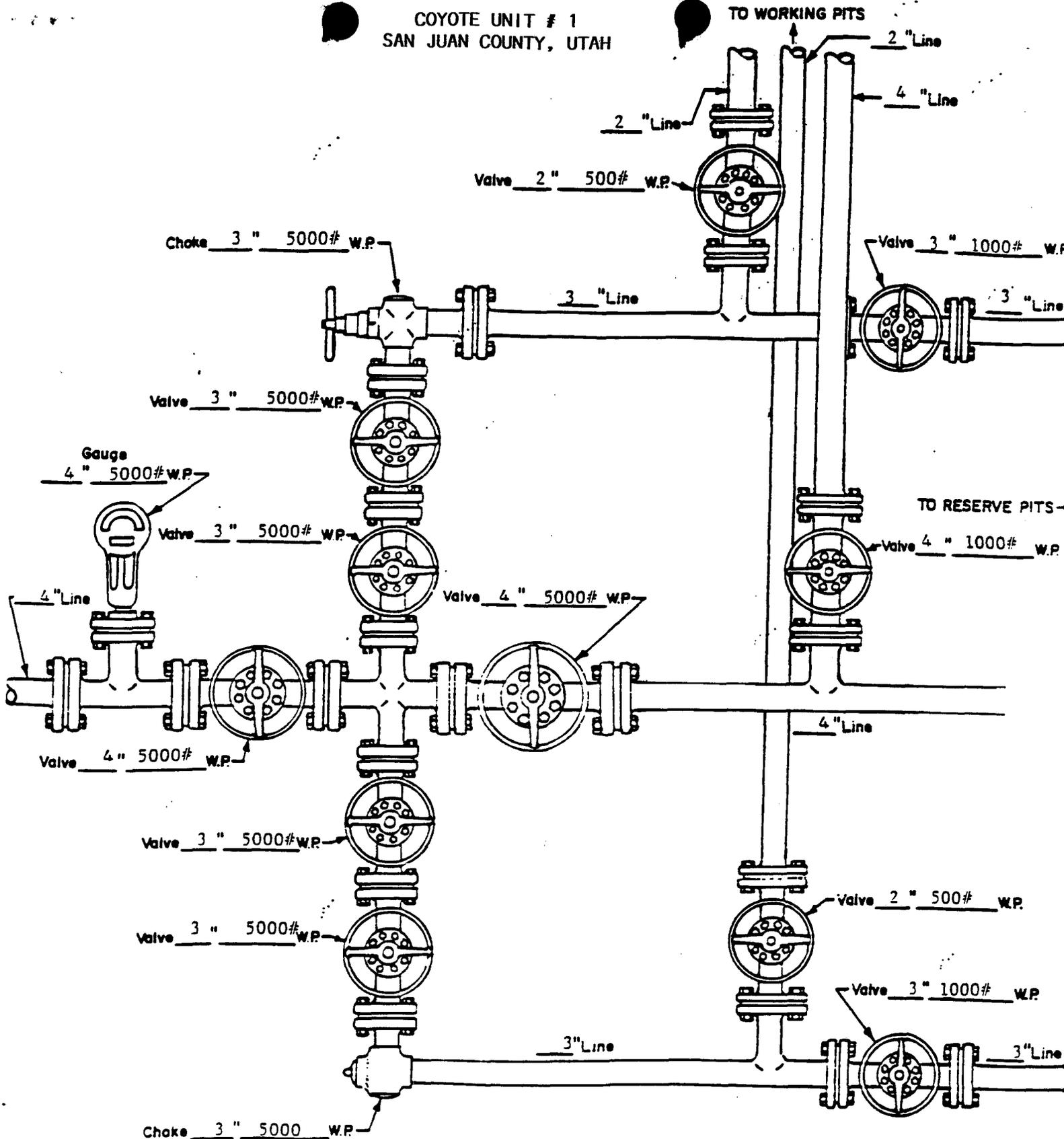
COYOTE UNIT # 1
 SAN JUAN COUNTY, UTAH



WELL HEAD B.O.P.
 5000 #W.P.

- Manuel
- Hydraulic

COYOTE UNIT # 1
SAN JUAN COUNTY, UTAH



MANIFOLD
5000 #W.P.

- Manual
- Hydraulic

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 03/07/94

API NO. ASSIGNED: 43-037-31738

WELL NAME: COYOTE 1
OPERATOR: UNION OIL COMPANY OF CA (N1030)

PROPOSED LOCATION: ^{230'} NENE 32 - T29S - R24E ^{590'}
 SURFACE: ~~0285-FNL-0280-FEL~~ ^{Dec. 29}
 BOTTOM: 1856-FSL-0983-FEL ^{T29S, R24E}
 SAN JUAN COUNTY
 UNDESIGNATED FIELD (002)

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering		
Geology	<i>[Signature]</i>	4/20/94
Surface	<i>[Signature]</i>	3/15/94

LEASE TYPE: STA
LEASE NUMBER: ML-45822

RECEIVED AND/OR REVIEWED:

Y Plat
Y Bond: Federal[] State[] Fee[]
 (Number 980F3020)
N Potash (Y/N)
N Oil shale (Y/N)
N Water permit
 (Number BY SUNDAY)
N RDCC Review (Y/N)
 (Date: _____)

LOCATION AND SITING: *EXPLORATORY*

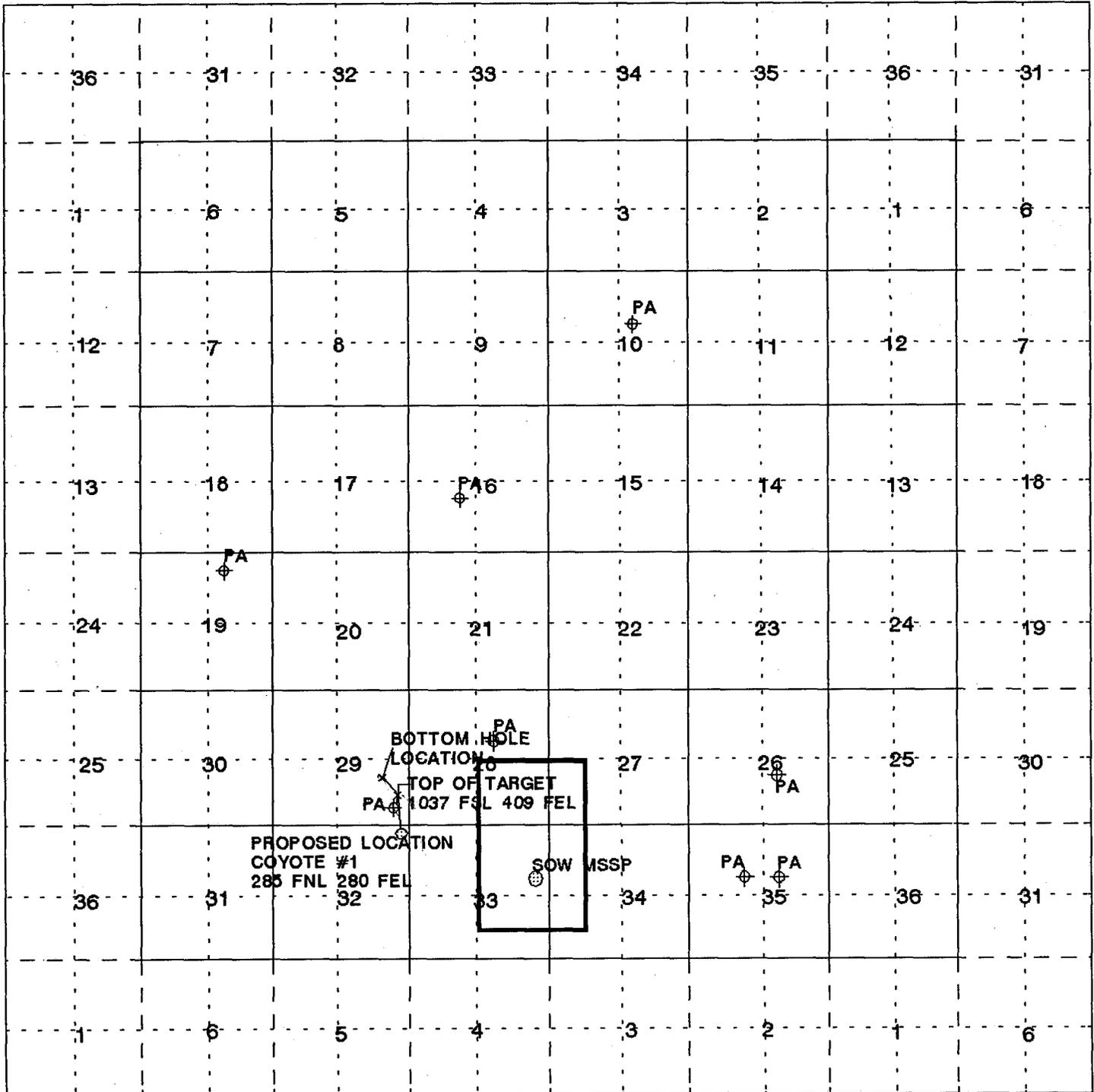
~~✓~~ R649-2-3. Unit: LOGICAL UNIT
~~✓~~ R649-3-2. General.
 R649-3-3. Exception.
 _____ Drilling Unit.
 _____ Board Cause no:
 _____ Date:

COMMENTS: _____

STIPULATIONS: SEE PRE-SITE EVALUATION

Jim Benson
 307-274-1563 x116

BIG INDIAN



T.
29
S.

R. 24 E. SAN JUAN COUNTY
MADISON FORMATION

DRILLING LOCATION ASSESSMENT
State of Utah
Division of Oil, Gas and Mining

OPERATOR: UNION OIL COMPANY OF CALIFORNIA WELL NAME: COYOTE #1
SEC:32 TWP:29 S RNG:24 E SUR.LOC: FSL FWL QTR/QTR NE NE
BOTTOM HOLE LOCATION: 1856 FSL 983 FEL SEC: 29 QTR/QTR: NE SE
COUNTY: SAN JUAN FIELD: UNDESIGNATED SURFACE OWNER: STATE
SURFACE AGREEMENT: BY LEASE AGREEMENT WITH THE STATE OF UTAH
SPACING: 40 ACRES STATE SPACING
GEOLOGIST: HEBERTSON, 10:30 AM MAR. 15 1994

PARTICIPANTS:

MIKE HEBERTSON, CHRIS KIERST, FRANK GILLESPIE, JIM BENSON, DAVE PETERS, RICK COSTANZA (ALL OF UNOCAL), DAVE KNUTSON, OLIE KNUTSON, BOB SUTHERLAND, NANCY HAMOND, (ARCHEOLOGIST) JIM BOULDEN, RICH McCLURE.

REGIONAL SETTING/TOPOGRAPHY: LIBSON VALLEY ANICLINE. SOUTHWEST FLANK OF THE LA SAL MOUNTAINS, OF THE PARADOX BASIN. SAND STONE CLIFFS AND LEDGES.

LAND USE:

CURRENT SURFACE USE: GRAZING FOR DOMESTIC LIVESTOCK, RANGE FOR DEER AND WILDLIFE.

PROPOSED SURFACE DISTURBANCE: 2.75 ACRE LOCATION, AND RESERVE PIT. ROAD ACCESS 16' WIDE 1/4 MILE LONG.

AFFECTED FLOODPLAINS AND/OR WETLANDS: LOCATION LIES IN A MINOR SECONDARY RUNOFF AREA.

FLORA/FAUNA: SAGEBRUSH, PINON JUNIPER, GRASSES, UPPER SONORAN CLIMAX COMMUNITY, LIZARDS, HAWKS, EAGLES, SMALLER BIRDS, COYOTE, INSECTS.

ENVIRONMENTAL PARAMETERS:

SURFACE GEOLOGY:

SOIL TYPE AND CHARACTERISTICS: SAND, MOSTLY BLOW SAND FROM THE NAVAJO FORMATION.

SURFACE FORMATION & CHARACTERISTICS: DECOMPOSED NAVAJO SS, LITE TAN WITH CROSS BEDDING AND JOINTS.

EROSION/SEDIMENTATION/STABILITY: STABILITY WILL BE A PROBLEM ON THIS LOCATION THE SAND IS TOO UNSTABLE TO SUPPORT THE WEIGHT OF HEAVY EQUIPMENT ON THE WELL SITE.

PALEONTOLOGICAL POTENTIAL: NONE.

SUBSURFACE GEOLOGY:

OBJECTIVES/DEPTHS: THE OBJECTIVE FORMATION IS THE KANE CREEK MEMBER OF THE PARADOX GROUP. THE HOLE WILL BE DRILLED WITH AN EXTENDED REACH DIAGONAL SECTION AND A 1,000 FOOT HORIZONTAL SECTION.

ABNORMAL PRESSURES-HIGH AND LOW: NONE ARE EXPECTED UNTIL THE HORIZONTAL SECTION IS DRILLED.

CULTURAL RESOURCES/ARCHAEOLOGY: THE LOCATION HAS BEEN MOVED FROM THE ORIGINAL SITE BECAUSE OF A SITE THAT WAS LOCATED.

CONSTRUCTION MATERIALS: A LOCATION SURFACE CAP WILL BE REQUIRED TO STABILIZE THE SITE. SPOIL PILES WILL BE PLACED ON THE SOUTHEAST OF THE LOCATION.

SITE RECLAMATION: AS REQUIRED BY STATE LANDS.

RESERVE PIT:

CHARACTERISTICS: WILL BE PLACED ON THE NORTHEAST OF THE LOCATION.

LINING: A LINER OF 12 MIL PLASTIC (MINIMUM) WILL BE REQUIRED AND THE PIT WILL BE PADDED OR SMOOTHED SO AS TO PREVENT THE LINER FROM BEING PUNCTURED.

MUD PROGRAM: SATURATED SALT OR INVERT OIL BASED MUD.

DRILLING WATER SUPPLY: WILL BE PURCHASED FROM THE NEAREST COMMERCIAL SOURCE.

OTHER OBSERVATIONS :

STIPULATIONS FOR APD APPROVAL:

1. DRAINAGE WILL BE DIVERTED AROUND THE WEST EDGE OF THE LOCATION WITH A CULVERT TO DIVERT THE RUNOFF UNDER THE ACCESS ROAD.
2. PIT WILL BE PADDED OR SMOOTHED IN SUCH A WAY THAT A LINER OF 12 MIL PLASTIC WILL NOT PUNCTURE. IF INVERT MUD IS USED THE LINER WILL BE PLACED UNDER THE MUD PIT TANKS.
3. A FENCE WILL BE PLACED AROUND THE ARCHEOLOGICAL SITE WHILE DRILLING OPERATIONS ARE CONDUCTED.
4. SIX INCHES OF SOIL AND BRUSH OFF OF THE PAD WILL BE STOCK PILED OF THE SOUTH EAST CORNER OF THE SITE.
5. AN EROSION CONTROLL DITCH WILL BE PLACED AROUND THE PIT AND NORTH SIDE OF THE SITE TO DIVERT ANY POSSIBLE WATER OR RUNOFF.

6. DRILLING FLUIDS WILL BE DISPOSED OF AS DIRECTED BY THE DIVISION WHEN DRILLING OPERATIONS ARE COMPLETED.

7. THE PAD WILL BE CAPPED IN ORDER TO STABILIZE THE SITE AND SUPPORT THE HEAVY EQUIPMENT THAT WILL USE THE LOCATION.

ATTACHMENTS

PHOTOGRAPHS WILL BE PLACED OF FILE.

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/07/94

API NO. ASSIGNED: 43-037-31738

WELL NAME: COYOTE 1
OPERATOR: UNION OIL COMPANY OF CA (N1030)

PROPOSED LOCATION:
NENE 32 - T29S - R24E
SURFACE: 0230-FNL-0590-FEL
BOTTOM: 1856-FSL-0983-FEL
SAN JUAN COUNTY
UNDESIGNATED FIELD (002)

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: STA
LEASE NUMBER: ML-45822

PROPOSED PRODUCING FORMATION: CNCR

<p>RECEIVED AND/OR REVIEWED:</p> <p><input type="checkbox"/> Plat</p> <p><input type="checkbox"/> Bond: Federal[] State[] Fee[] (Number _____)</p> <p><input type="checkbox"/> Potash (Y/N)</p> <p><input type="checkbox"/> Oil shale (Y/N)</p> <p><input type="checkbox"/> Water permit (Number _____)</p> <p><input type="checkbox"/> RDCC Review (Y/N) (Date: _____)</p>	<p>LOCATION AND SITING:</p> <p><input type="checkbox"/> R649-2-3. Unit: _____</p> <p><input type="checkbox"/> R649-3-2. General.</p> <p><input checked="" type="checkbox"/> R649-3-3. Exception.</p> <p><input type="checkbox"/> Drilling Unit. Board Cause no: _____ Date: _____</p>
---	---

COMMENTS: _____

STIPULATIONS: _____

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

<p>1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR UNION OIL COMPANY OF CALIFORNIA</p> <p>3. ADDRESS OF OPERATOR P.O. Box 2620, Casper, WY 82602</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 285' FNL & 280' FEL At proposed prod. zone 1856' FSL & 983' FEL Sec. 29 (End of Horizontal Section)</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. State - Ml 45822</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A</p> <p>7. UNIT AGREEMENT NAME Coyote Unit</p> <p>8. FARM OR LEASE NAME</p> <p>9. WELL NO. 1</p> <p>10. FIELD AND POOL, OR WILDCAT Coyote</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 32, T29S, R24E</p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6729' GR</p>	<p>12. COUNTY OR PARISH San Juan</p> <p>18. STATE Utah</p>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

UNOCAL intends to drill and complete the Coyote #1, in San Juan County, Utah.
Bond coverage pursuant to Utah State Bond #980F3020 is attached.
Union Oil Company of California is the sole lease holder and operator in Sec. 28 and Sec. 29. Proposed bottom hole location for the start of the Horizontal section of Coyote Unit #1 is approximately 1037' FSL and 409' FEL Sec. 29, T29S, R24E, San Juan County. The proposed TD (end of horizontal section) is approximately 1856' FSL and 983' FEL Sec. 29, T29S, R24E, San Juan County, Utah.



18. I hereby certify that the foregoing is true and correct

SIGNED Jim Benson TITLE Drilling Superintendent DATE 3/11/94
Jim Benson

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

JIM BENSON, UNOCAL
FRANK MATTHEWS, UTAH DIVISION OF OIL, GAS, AND MINING

RE: UNOCAL COYOTE #1 WELL
HORIZONTAL WELL

BOTTOM HOLE LOCATION ON FEDERAL MINERALS

SHL SECTION 32, T. 29 S., R. 24 E.
BHL SECTION 29, T. 29 S., R. 24 E.

THE PROPOSED WELL LOCATION WILL NOT BE AFFECTED BY THE PARADOX FOLD AND FAULT BELT DRILLING LIMITATIONS AS IDENTIFIED IN THE RMP OIL AND GAS SUPPLEMENTAL EA OF 1988. BOTH THE SURFACE LOCATION AND THE BOTTOM HOLE LOCATION ARE WITHIN THE GRAND RESOURCE AREA'S DESIGNATION OF "GREATER LISBON" (LISBON VALLEY ANTICLINE) WHERE 10 WELLS WERE ESTIMATED IN THE 1988 SUPPLEMENTAL EA. THE ONLY WELL DRILLED IN THE GREATER LISBON AREA SINCE 1988 WAS THE UNOCAL C-810-I WELL.

1. DRILLING INTO FEDERAL MINERALS REQUIRES AN APD APPROVED BY BLM.
2. BLM WILL POST THE NOTICE STAKING ON MARCH 9 TO START THE REQUIRED 30 DAY POSTING PERIOD.
3. A CULTURAL RESOURCE INVENTORY WILL BE REQUIRED. BLM WILL NEED TO REVIEW THE RECOMMENDATIONS FROM THE INVENTORY WITH THE STATE HISTORIC PRESERVATION OFFICE PRIOR TO APPROVAL OF THE FEDERAL APD.
4. BLM WILL GET THE NOTICE OF STAKING REVIEWED BY STAFF SPECIALISTS. NO MAJOR RESOURCE CONFLICTS ARE ANTICIPATED AT THIS TIME; HOWEVER, THERE IS ALWAYS A POSSIBILITY OF TIMING RESTRICTIONS OR IDENTIFYING AREAS TO AVOID DURING THE BLM STAFF REVIEW.
5. BLM WILL ATTEND THE ONSITE INSPECTION SCHEDULED FOR MARCH 15.
6. BLM WILL BRING FORMS WITH APD FORMAT TO USE FOR FEDERAL APD.
7. BLM CAN PROBABLY PROCESS APD BY MID-APRIL.

ALL CORRESPONDENCE RELATED TO THE APPROVAL OR DRILLING PROGRAM OF THE FEDERAL APD SHOULD BE SENT TO:

ERIC JONES
MOAB DISTRICT OFFICE
P.O. BOX 970
MOAB, UTAH 84532
PHONE (801) 259-6111

RICH MCCLURE, (801) 259-8193, WILL ATTEND ONSITE INSPECTION AND PROCESS EA.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> 2. NAME OF OPERATOR UNION OIL COMPANY OF CALIFORNIA 3. ADDRESS OF OPERATOR P.O. Box 2620, Casper, WY 82602 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 285' FNL & 280' FEL At proposed prod. zone 1856' FSL & 983' FEL Sec. 29 (End of Horizontal Section)		5. LEASE DESIGNATION AND SERIAL NO. State - MI 45822 6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A 7. UNIT AGREEMENT NAME Coyote Unit 8. FARM OR LEASE NAME 9. WELL NO. 1 10. FIELD AND POOL, OR WILDCAT Coyote 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 32, T29S, R24E 12. COUNTY OR PARISH 13. STATE San Juan Utah
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6729' GR	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

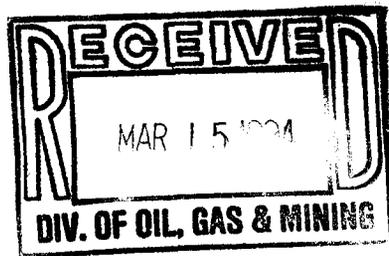
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

UNOCAL intends to drill and complete the Coyote #1, in San Juan County, Utah. Bond coverage pursuant to Utah State Bond #980F3020 is attached.

Union Oil Company of California is the sole lease holder and operator in Sec. 28 and Sec. 29. Proposed bottom hole location for the start of the Horizontal section of Coyote Unit #1 is approximately 1037' FSL and 409' FEL Sec. 29, T29S, R24E, San Juan County. The proposed TD (end of horizontal section) is approximately 1856' FSL and 983' FEL Sec. 29, T29S, R24E, San Juan County, Utah.



18. I hereby certify that the foregoing is true and correct

SIGNED Jim Benson TITLE Drilling Superintendent DATE 3/11/94
 (This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

STATE OF UTAH
BOND OF LESSEE

80P3020

KNOW ALL MEN BY THESE PRESENTS, that we Union Oil Company of California
300 N. Carrizo of Midland, Texas Address _____ as

principal and The Travelers Indemnity Company
surety, are held and firmly bound unto the State of Utah in the sum of Twenty Five Thousand
Dollars (\$ 25,000.00) lawful money of the United States to be paid to the Board of
State Lands and Forestry, as agent for the State of Utah, for the use and benefit of the
State of Utah, and of any patentee or purchaser of any portion of the land covered by
the hereinafter described lease heretofore sold or which may hereafter be sold with a
reservation to the State of Utah, on the surface or of other mineral deposits of any
portion of such lands, for which payment, will and truly to be made, we bind ourselves,
and each of us, and each of our heirs, executors, administrators, successors, sub-
lessees, and assignees, jointly and severally by these presents.

Signed with our hands and seals this 29 day of June in the
year of our Lord, 1984

The condition of the foregoing obligation is such that,

WHEREAS, The State of Utah, as Lessor, issued a(n) _____ *
lease, Lease Number _____ and dated _____ to _____
as lessee (and said lease has been duly
assigned under date of _____ to _____
to drill for, mine, extract, and remove all of the
deposits in and under the following described lands to wit:

* Blanket bond for all State of Utah lands.

NOW, THEREFORE, THE principal shall be obligated to pay all monies, rentals,
royalties, cost of reclamation, damages to the surface and improvements thereon and any
other costs which arise by operation of the above described lease(s) accruing to the
Lessor and shall fully comply with all other terms and conditions of said lease, the
rules, regulations, and policies relating thereto of the Board of State Lands and
Forestry, Division of State Lands and Forestry, the Board of Oil, Gas and Mining, and
the Division of Oil, Gas and Mining as they may now exist or may from time to time be
modified or amended. This obligation is in effect even if the principal has conveyed
part of the purchase agreement interest to a successor in interest. If the principal
fully satisfies the above described obligations, then the surety's obligation to make
payment to the State of Utah is void and of no effect, otherwise, it shall remain in
full force and effect until released by the Division of State Lands and Forestry.

Signed, sealed and delivered
in the presence of

Diana Wilson
Witness

Union Oil Company of California (SEAL)
Principal By: John Hanson, Attorney-in-F
The Travelers Indemnity Company
BY Frances H. Puckett
Frances H. Puckett - Attorney-In-Fact

BONDING COMPANY
BY

Attest:

APPROVED AS TO FORM:
DAVID L. WILKINSON
ATTORNEY GENERAL

Resident Agent: John W. Rahlfs Company
P.O. Box 10588 - Midland, Texas 79702
Bonding Co. Address: Hartford, Conn.

By [Signature]

Corporate Seal of Bonding Company Must be Affixed.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
 DRILL DEEPEN

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 UNION OIL COMPANY OF CALIFORNIA

3. ADDRESS AND TELEPHONE NO.
 P.O. Box 2620, Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface: 230' FNL & 590' FEL Sec. 32 (Surface location) *NE 1/4 NE 1/4*
 At proposed prod. zone: 1856' FSL & 983' FEL Sec. 29 (End of Horizontal Section) *NE 1/4 SE 1/4*

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 30 miles SE of Moab, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
 280'

16. NO. OF ACRES IN LEASE
 640

17. NO. OF ACRES ASSIGNED TO THIS WELL
 N/A *

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 0

19. PROPOSED DEPTH
 9865' TD

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6718' GR

22. APPROX. DATE WORK WILL START
 April 15, 1994

5. LEASE DESIGNATION AND SERIAL N
 State - MI 45822

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 N/A

7. UNIT AGREEMENT NAME
 Coyote Unit

8. FARM OR LEASE NAME, WELL NO.
 Coyote Undesignated

9. API WELL NO.
 1

10. FIELD AND POOL, OR WILDCAT
 Coyote Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 32, T29S, R24E

12. COUNTY OR PARISH
 San Juan

13. STATE
 Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14-3/4"	11-3/4"	47# J-55	1000'	600 sxs
9-7/8"	7-5/8"	39# 33.7#	8190' TVD	850 sxs-2 stage w/"DV" tool @ ±7000'
6-1/2"	5" slotted liner	S-95/29.7# N-80 15# N-80	8665' MD 9865' MD	None

PROPOSED DRILLING PLAN:
 Drill 20" hole to 60'. Run & cmt 16" conductor w/rathole machine. MIRU rotary rig & equipment. Drill 14-3/4" hole to 1000' w/fresh water spud mud. Run & cmt to surface 11-3/4" csg. Nipple up & test 5000# BOP equip. Drill 9-7/8" hole w/fresh water mud system to ±4350' (Top of salt @ ±4490'). Change mud system over to saturated salt system. Continue drilling 9-7/8" hole to ±7650' K.O.P. Initiate kick-off @ ±7650' building angle @ ±12°/100' to ±72° @ ±8190' TVD/±8665' MD - Top of Cane Creek formation.
 (Continued on attachment.)

NOTE: Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Union Oil Company of California (BLM Bond #CA0048).

*This is a proposed federal unit. All spacing & well locations waived under unit agreement.

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 Jim Benson TITLE Drilling Superintendent DATE 3/16/94
 (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 thereunder.
 CONDITIONS OF APPROVAL, IF ANY:
 DATE: 3/16/94
 BY: [Signature]
 APPROVED BY _____ TITLE _____ WELL SPACING: R 649 3-31
 *See Instructions On Reverse Side

Coyote Unit #1
Proposed Drilling Plan
Page 2

NOTE:

The 9-7/8" hole from the top of the Salt to the top of the Cane Creek formation will be drilled with a saturated salt mud system (10 ppg - 12 ppg). If unstable hole conditions and/or pressure is encountered, the mud system will be changed over to a weighted Invert Oil Mud (12 ppg - 17.5 ppg).

Log, run and cmt 7 5/8" csg @ ± 8665' MD. Cmt in 2 stages w/ "DV" tool @ ± 7000'. Nipple up and test BOP equipment and 7 5/8" csg. Drill out w/ 6 1/2" bit. Test 7 5/8" csg shoe to 17 ppg equivalent mud wt. Drill 6 1/2" hole at 12°/100' rate of build to ± 90° @ 8223' TVD/ 8865' MD (Cane Creek target). Continue drilling 6 1/2" hole (horizontal section) from ± 8865' MD to ± 9865' MD, TD.

NOTE: The 6 1/2" hole section will be drilled with a saturated salt mud system (12 ppg) unless unstable hole conditions and/or pressure is encountered. If these conditions are encountered, the mud will be changed out to a weighted Invert Oil Mud 12 ppg - 17.5 ppg. If necessary, a 5" slotted liner will be run through the horizontal section. Complete with 2 7/8" tbg.

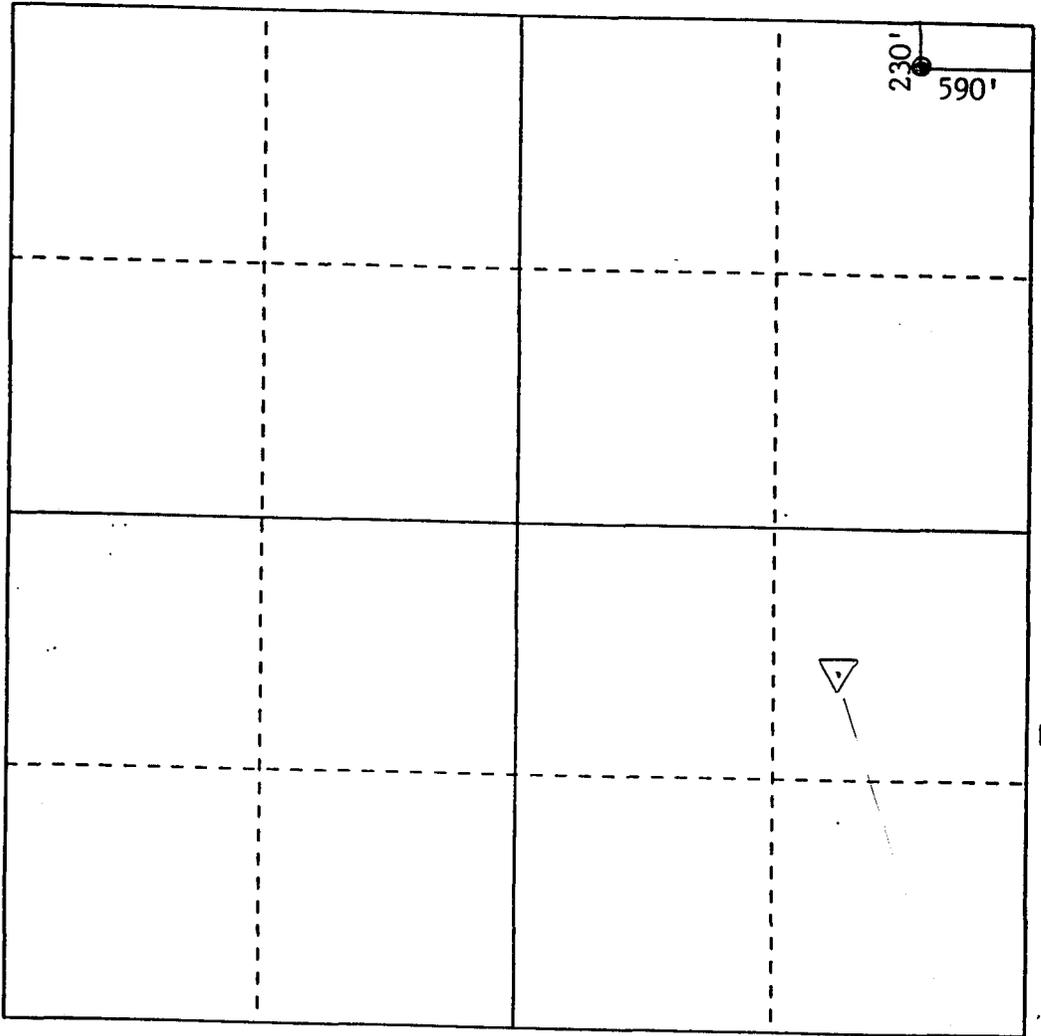
COMPANY UNOCAL

LEASE COYOTE UNIT WELL NO. #1

SEC. 32 T. 29 South R. 24 East

LOCATION 230 F/NL & 590 F/EL S.L.M.

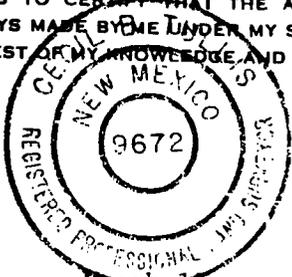
ELEVATION 6718



SCALE - 1 INCH EQUALS 1000 FEET

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:



Cecil B. Tullis

Cecil B. Tullis

Registered Land Surveyor.

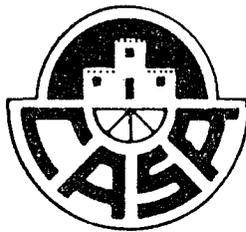
SURVEYED March 15

19 94

CULTURAL RESOURCE INVENTORY
UNOCAL's Coyote Unit No. 1 Wellpad
San Juan County, Utah

Prepared by
Nancy S. Hammack
Complete Archaeological Service Associates
12400 Highway 666
Cortez, Colorado 81321

[CASA 94-19]



Prepared for

UNOCAL
900 Werner Court
Casper, Wyoming 82602

Submitted to

State of Utah, Department of Natural Resources
Division of Oil, Gas and Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

and

Bureau of Land Management
Moab District Office
P.O. Box 970
Moab, Utah 84532

Permits

Utah State Project Permit No. U-94-CH-119sb
BLM Cultural Resource Use Permit No. 93UT54621

March 18, 1994

ABSTRACT

A cultural resource inventory was undertaken on three well locations for UNOCAL's proposed Coyote Unit 29-1 wellpad within the Lisbon Valley oil field, approximately 30 miles southeast of Moab. The inventory was done by Nancy S. Hammack, Complete Archaeological Service Associates (CASA) at the request of Jim Benson of UNOCAL. The field work was carried out on March 13 and 15, 1994. The preferred location is on land administered by the State of Utah, while the alternate location is on land administered by the Bureau of Land Management, Moab District. The original preferred wellpad location was abandoned due to the presence of cultural resources, and a revised location staked on State lands to the west of the original location. The field work was done under the auspices of State of Utah Project No. U-94-CH-119sb and BLM Cultural Resource Use Permit 93UT54621, issued to CASA.

A 500-ft by 500-ft area (5.75 acres) was inventoried for the revised preferred well pad. A total of 14.35 acres (9.75 acres on State land) was inventoried for the 3 well locations. The well locations border existing roads or wellpads which will be utilized for access. One site, 42SA22519, was recorded within the original surveyed preferred Coyote Unit 29-1 wellpad. The site is considered significant and eligible for nomination to the National Register of Historic Places. Cultural resource clearance is recommended for all of the revised preferred wellpad and the alternate wellpad at the locations described in this report, with the stipulation that the east edge of the revised preferred location be fenced prior to construction to insure avoidance of the site.

INTRODUCTION

A Class III cultural resource inventory was undertaken on three separate well locations for UNOCAL of Casper, Wyoming in the Lisbon Valley Oil Field. The inventory was undertaken for UNOCAL of Casper, Wyoming at the request of Jim Benson. The inventory, by Nancy S. Hammack, Complete Archaeological Service Associates (CASA) was done on 13 and 15, 1994. The proposed and revised proposed locations are on State of Utah lands, while the alternate location is on land administered by the Bureau of Land Management, Moab District. The field work was done under the authority of Utah State Project Permit No. U-94-CH-119sb and BLM Cultural Resource Use Permit No. 93UT54621, issued to CASA and was undertaken to comply with various cultural resource preservation legislation.

PROJECT LOCATION AND DESCRIPTION

The project area is in southeastern Utah, approximately five miles south of La Sal (Figure 1). The proposed well locations are situated in the Paradox Basin, characterized by northwest-southeast anticlinal valleys. The project area is northwest of Big Indian Valley, in an area of low sandstone mesas overlooking an alluvial valley. Sparse pinyon-juniper woodland and sagebrush flats are the characterize the vegetation. The preferred location and the revised preferred location are in the northeast corner of Section 32, Township 29 South, Range 24 East. The alternate location is in the southeast corner of Section 29, Township 29 South, Range 24 East.

A complete description of the each proposed location, including details on cadastral location, staked footages, setting, cultural resources, and recommendations is presented following the body of the report. The map reference for this project is the Sandstone Draw, Utah 7.5 minute USGS provisional edition dated 1987 (Figure 2). The site recorded is described in Appendix A.

SURVEY METHODOLOGY AND PREVIOUS RESEARCH

Prior to beginning the field investigations, a record search was undertaken at the Moab District, Bureau of Land Management on February 14, 1994. This record search revealed the few inventories previously conducted in the immediate vicinity were mainly associated with seismic exploration (Sciscenti 1981, Steward 1981, Billat and Billat 1992). Although only isolates were located in the immediate project vicinity, several extensive lithic scatters of unknown affiliation have been recorded to the northwest of the project area. The culture history of the region has been detailed by Black and Copeland (1981) and more recently by Davis and Westfall (1991).

The inventory of the preferred and alternate locations was carried out on March 13, 1994, by Nancy S. Hammack of CASA. The revised preferred location was staked and inventoried on March 15, 1994 during the on-site inspection. The new preferred location was established by consultation between UNOCAL, State of Utah Department of Natural Resources Division of Oil, Gas and Mining, and Bureau of Land Management personnel.

Each of the well locations was staked by High Country Surveys prior to conducting the inventory and were well marked and easily located. The drill hole had been staked with a 5 foot metal fence post with a lathe attached giving well name and staked footages. The well pad and pit corners were also staked with metal fence post with labeled lathe attached. The center stake was marked with a variety of flagging colors with corner stakes marked with pink flagging. A 500-ft by 500-ft (5.75 acre) area was surveyed for the revised preferred well pad, with lesser areas surveyed for the other two pads. A 50-ft wide buffer zone was surveyed

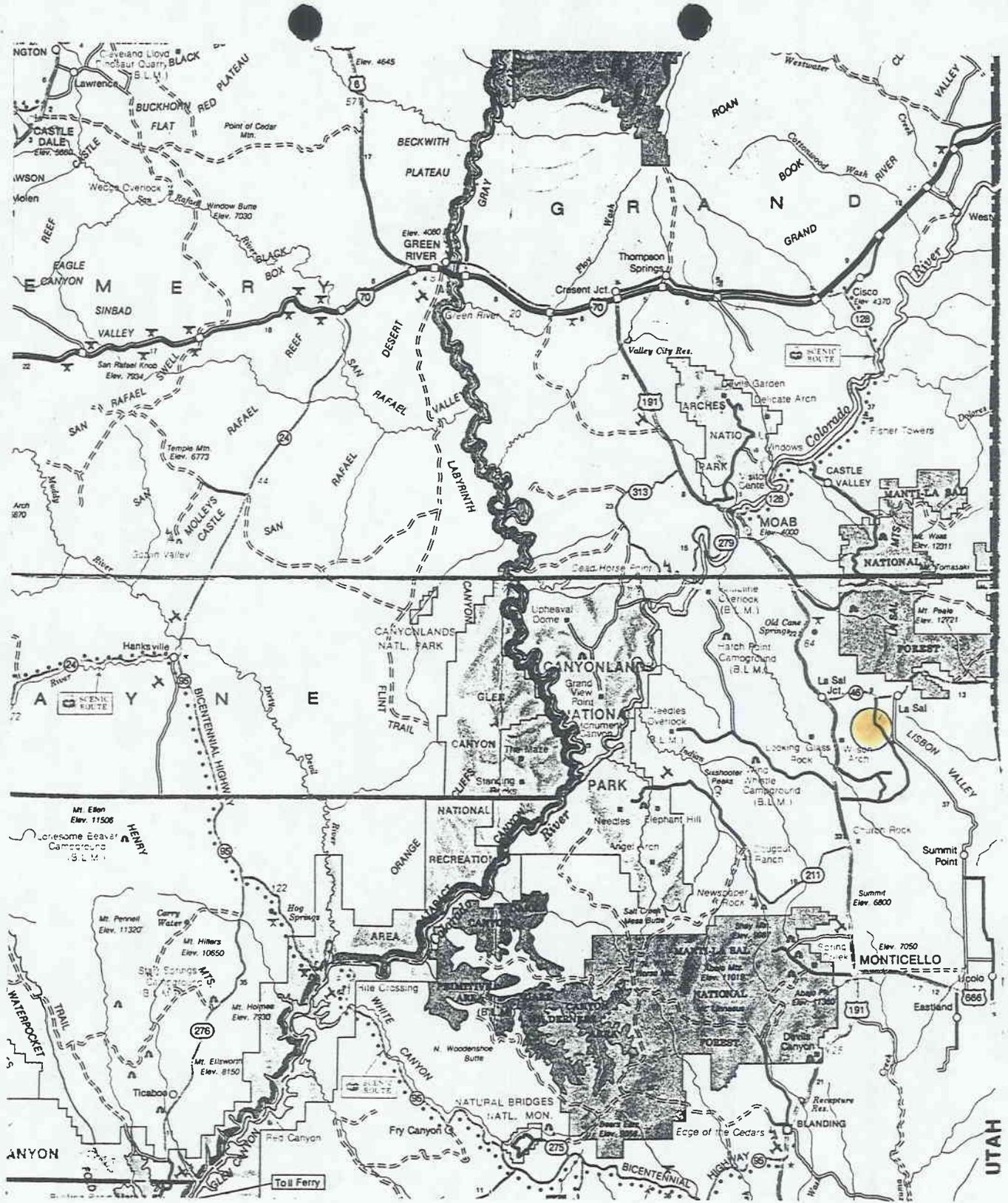


Figure 1. Project location map, southeastern Utah.

around each staked wellpad. The survey was done by one archaeologist walking a series of parallel transects spaced no greater than 15 meters apart.

INVENTORY RESULTS AND RECOMMENDATIONS

The cultural resource inventory of three wellpad locations resulted in the recordation of one site, 42SA22519, within the preferred wellpad location. This site consists a lithic scatter associated with sandstone slabs and fire-cracked rock in a low sandy ridge. No tools or diagnostic artifacts were located, however the site is considered to be significant and eligible for nomination to the National Register of Historic Places due to the presence of subsurface deposits and features.

The preferred wellpad has been restaked to the west on March 15, 1994, with the eastern edge of the revised preferred location over 50 feet from the site boundary. Cultural resource clearance is recommended for the revised preferred Coyote Unit 29-1 location on Utah State land with the stipulation that a temporary fence be placed between the east edge of the wellpad and the site boundary. Cultural resource clearance is also recommended with no stipulations for the alternate Coyote Unit 29-1 location on BLM land.

REFERENCES

Billat, Lorna Beth, and Scott E. Billat

1992 An Archeological Inventory of Four Seismic Corridors: Lines WC-1, WC-2, BC-1, and LS-3, Between La Sal and Lisbon Valley, San Juan County, Utah. *Brigham Young University Museum of Peoples and Cultures Technical Series No. 92-6*. Provo.

Black, Kevin D., and James M. Copeland

1981 An Archaeological Survey of the Central Lisbon Valley Study Tract in the Moab District, San Juan County, Utah. Centuries Research, Montrose.

Davis, Bill, and Deborah Westfall

1991 Cultural Resource Inventory of Western Gas Reserves' Proposed Big Flat/Dubinsky Pipeline: A Preliminary Assessment of Prehistoric Lithic Raw Material Procurement and Use, Grand County, Utah. Abajo Archaeology, Bluff.

Sciscenti, James V.

1981 Archeological Survey of Seismograph Service Corporation's Five Proposed Seismic Lines, San Juan County, Utah. *GRC Report 8104*. Grand River Consultants, Grand Junction.

Seward, Gregory L.

1981 Archaeological Clearance Survey of Five Seismic Lines in the Northeast Hook and Ladder Locality, San Juan County, Utah. Centuries Research, Montrose.

WELL DESCRIPTIONS

Well Name: Coyote Unit Federal 29-1 (Preferred)

USGS Map: Sandstone Draw, Utah, 7.5 min., 1987 Provisional Edition

Location: NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 32, T29S, R24E, SLM, San Juan County, Utah (Figure 2)

Operator: UNOCAL

Staked Footages: 285' FNL, 280' FEL

Ownership: State of Utah

Elevation: 6729 feet

Area Surveyed: 400-ft by 425-ft (3.90 acres) surveyed for a well pad with dimensions of 300-ft by 325 feet.

Description: Location staked just north of existing county road in open, sage-covered alluvial area with steep sandstone cliffs on the west and north (Figure 3). An arroyo cut borders the southwest corner of the pad. The soil is tan sandy silt with decomposed sandstone at the base of the cliffs. Pinyon-juniper woodland occurs along the base of the cliffs, with grasses and sagebrush in the open rolling alluvial areas.

Cultural Resources: One site, 42SA22519, in eastern half of the wellpad.

Recommendations: This wellpad was abandoned and restaked to the west to avoid the site.

Well Name: Coyote Unit Federal 29-1 (Revised Preferred)

USGS Map: Sandstone Draw, Utah, 7.5 min., 1987 Provisional Edition

Location: NW¼ NE¼ NE¼ NE¼, Section 32, T29S, R24E, SLM, San Juan County, Utah (Figure 2)

Operator: UNOCAL

Staked Footages: 230' FNL, 590' FEL

Ownership: State of Utah

Elevation: 6718 feet

Area Surveyed: 500-ft by 500-ft (5.75 acres) surveyed for a well pad with irregular maximum dimensions of 402-ft by 390 feet (Figure 4).

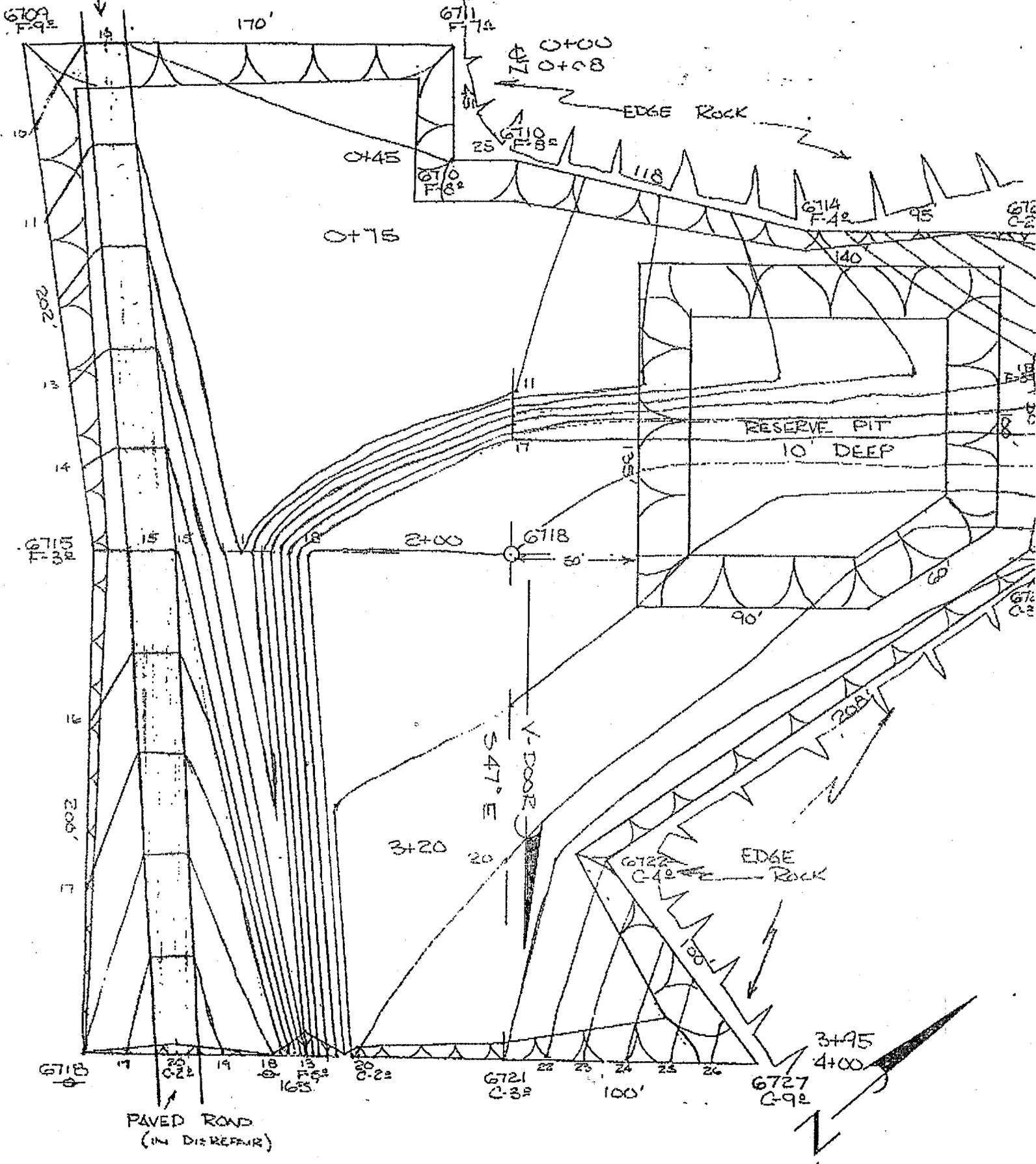
Description: Location staked just north of existing county road in open, sage-covered alluvial area at the mouth of a sandstone canyon (Figure 5). Sandstone cliffs abut the wellpad edge on the northwest and southeast. An arroyo cut borders the southwest corner of the pad. The soil is tan sandy silt with decomposed sandstone at the base of the cliffs. Pinyon-juniper woodland occurs along the base of the cliffs, with grasses and sagebrush in the open rolling alluvial areas. Several large holly trees are growing in the southeast-facing cliffs.

Cultural Resources: None.

Recommendations: Cultural resource clearance is recommended for the revised preferred Coyote Unit 29-1 well location with the stipulation that a temporary fence be placed between the east wellpad boundary and site 42SA22519.

Scale 1" = 50'

PAVED ROAD
(IN DISREPAIR)



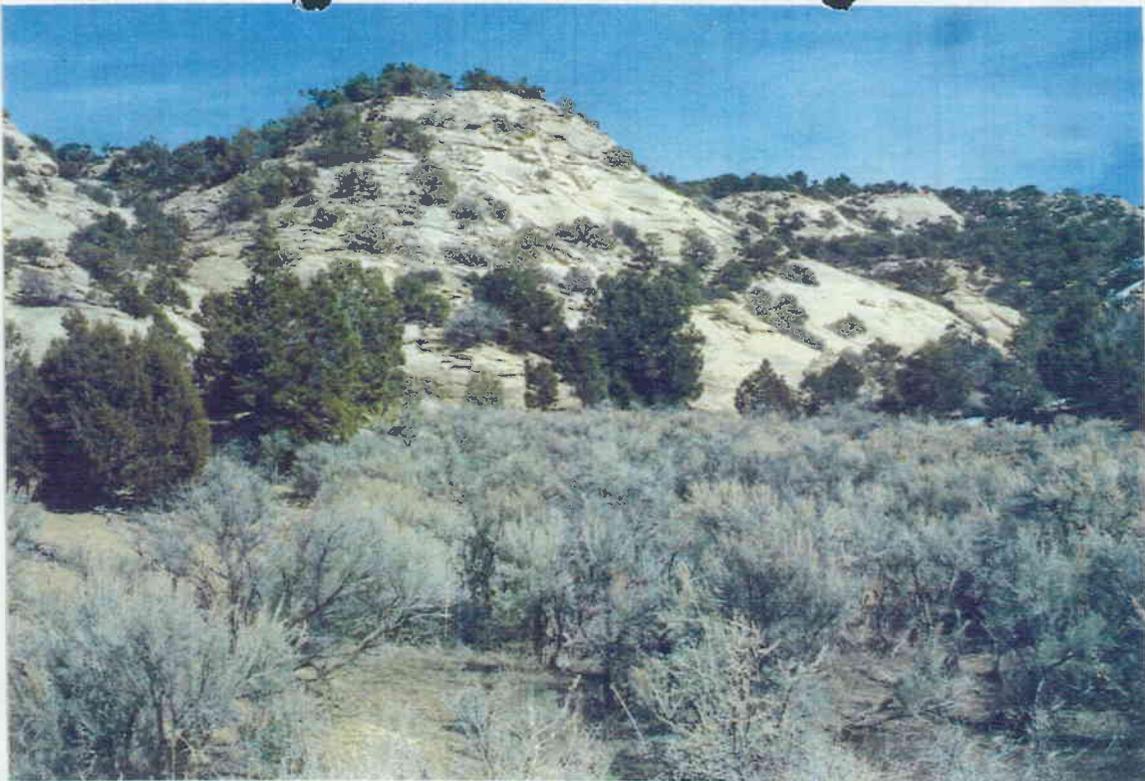


Figure 3. View of preferred Coyote Unit 29-1 location, looking northeast.



Figure 5. View of revised preferred Coyote Unit 29-1 location, looking northeast.

Well Name: Coyote Unit Federal 29-1 (Alternate)

USGS Map: Sandstone Draw, Utah, 7.5 min., 1987 Provisional Edition

Location: NW¼ SE¼ SE¼ SE¼, Section 29, T29S, R24E, SLM, San Juan County, Utah (Figure 2)

Operator: UNOCAL

Staked Footages: 405' FSL, 495' FEL

Ownership: Bureau of Land Management, Moab District

Elevation: 6793 feet

Area Surveyed: 500-ft by 400-ft (4.60 acres) surveyed for a well pad with maximum dimensions of 375-ft by 300 feet.

Description: This alternate location is staked on a northwest-facing mesa slope (Figure 6), at the edge of a canyon. The western portion of the pad is on an existing pad for Pure Oil Company's dry hole Big Indian Unit No. 5. This existing wellpad has a heavy regrowth of big rabbitbrush. The remainder of the alternate wellpad is pinyon-juniper woodland on sandstone bedrock. Several track roads and seismic lines cut through the area.

Cultural Resources: None.

Recommendations: Cultural resource clearance is recommended for the alternate Coyote Unit 29-1 well location.



Figure 6. View of alternate Coyote Unit 29-1 location, looking northwest.

APPENDIX A
SITE DESCRIPTION

Site Number: 42SA22519

Location: SE¼ NE¼ NE¼ NE¼ Section 32, T29S, R24E, SLM, San Juan County, Utah (Figure 2).

UTM Location: Zone 12, E 649620//N 4234040

Well Location: Coyote Unit 29-1

Map Reference: Sandstone Draw, Utah, 7.5 minute 1987 [Provisional]

Cultural/Temporal Affiliation: Unknown prehistoric or protohistoric

Site Type: probable campsite

Description: Site 42SA22519 (Figure 7) is situated on a low alluvial ridgeline extending southwest from the base of the sandstone cliff (Figure 8). The sandy ridge is covered with sagebrush, with pinyon-juniper woodland at the base of the cliff. A general light flake scatter is eroding from the ridge and a concentration of burned sandstone fragments is visible at the southwestern tip of the ridge. Large sandstone slabs are also eroding from the northeastern portion of the site (Figure 9). A separate flake scatter is present approximately 20 m west of the northern end of the main concentration. Approximately 100 flakes, mainly secondary, are visible. Material types include white chalcedony, black chert, and white and gray fine-grained quartzite.

Significance: Although no tools or diagnostic artifacts were noted on the site, the presence of burned rock and sandstone slabs indicate a high probability for buried features which could yield data on chronology and subsistence. The site is recommended as being eligible for nomination to the NRHP.

Project Effect: The preferred location was moved to avoid the site. The final staked east line of the revised preferred Coyote Unit 29-1 wellpad is 20 m from the site boundary. It is recommended that a temporary fence be placed between the east wellpad and the site during construction activities.

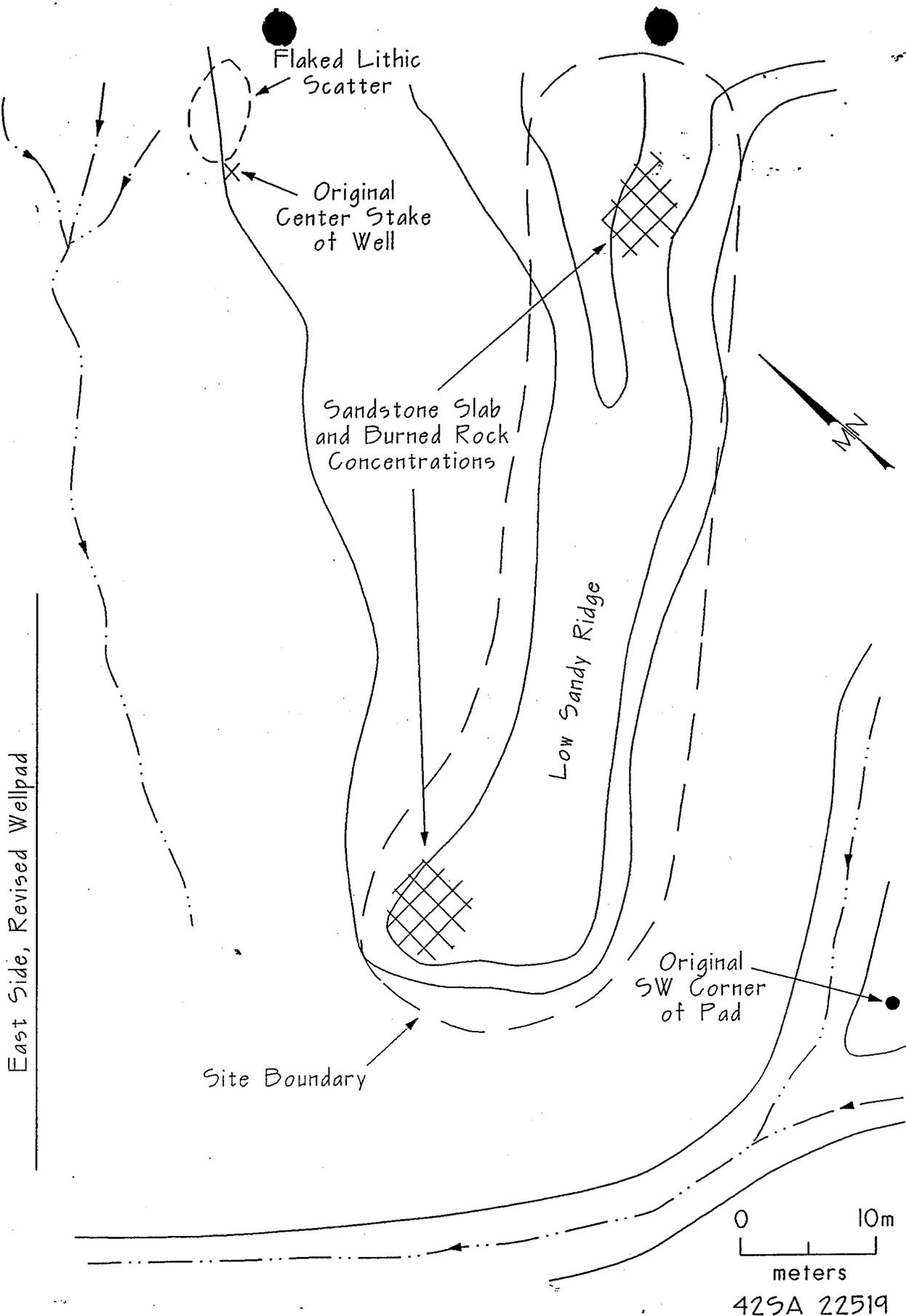


Figure 7. Site plan map, 42SA22519.

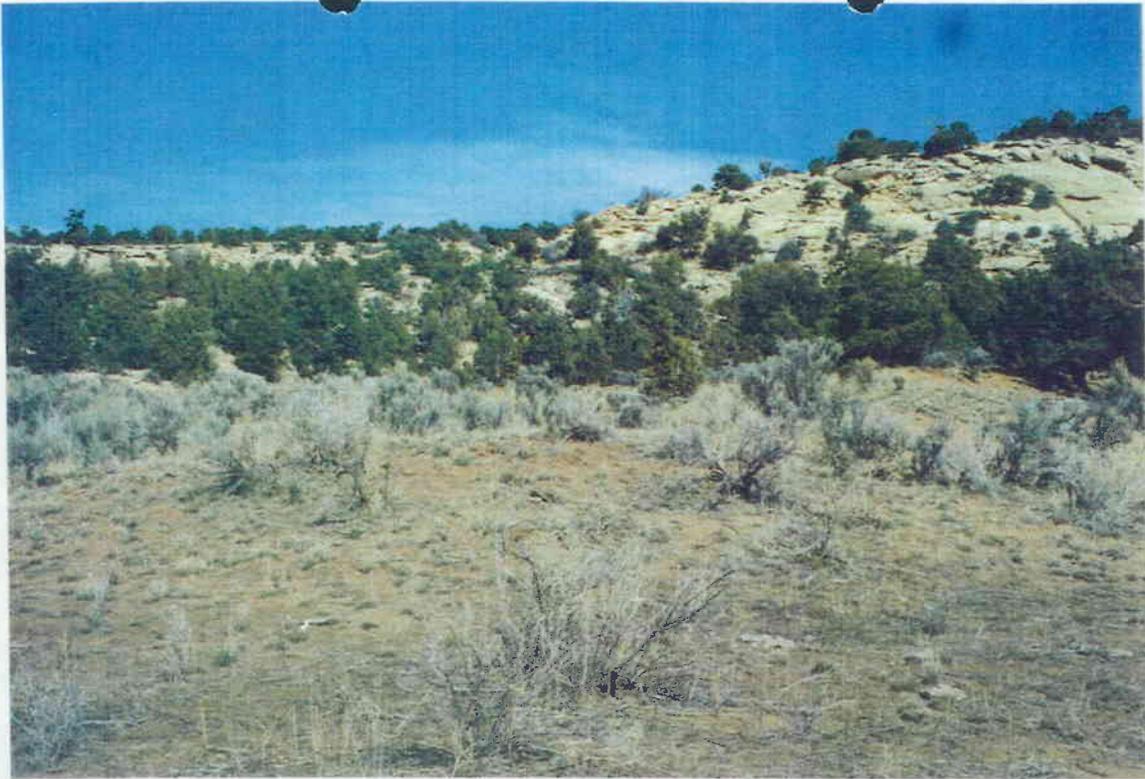


Figure 8. General view of 42SA22519, looking north.



Figure 9. Closeup of sandstone slabs, 42SA22519, looking northwest.

IMACS SITE FORM
PART A - ADMINISTRATIVE DATA

INTERMOUNTAIN ANTIQUITIES COMPUTER SYSTEM

Form approved for use by

BLM - Utah, Idaho, Wyoming

Division of State History - Utah, Wyoming

USFS - Intermountain Region

NPS - Utah, Wyoming

1. State No. 42SA22519

2. Agency No.

3. Temp. No.

4. State: Utah County San Juan

5. Project: U-94-CH-119sb

6. Report No: CASA 94-19

7. Site Name/Property Name:

8. Class: Prehistoric Historic Paleontologic Ethnographic

9. Site Type: camp

10. Elevation: 6720 ft

11. UTM Grid: Zone 12 649620 mE; 4234040 mN

12. SE $\frac{1}{4}$ of NE $\frac{1}{4}$ of NE $\frac{1}{4}$ of NE $\frac{1}{4}$ Sec 32, T 29S, R 24E

13. Meridian: SL

14. Map Reference: Sandstone Draw, Utah, 7.5 min., 1987 Provisional

15. Aerial Photo:

16. Location and Access: Seven miles east of La Sal Junction on Hwy 46, turn south (right) on paved county road. Take 1st paved county rd yo right after about 2.5 miles. Go 1 mi, take right onto improved road, go 1.2 mi. Site is on north of road, just after track road that takes off to right.

17. Land Owner State of Utah

18. Federal Administrative Units:

19. Location of Curated Materials: Edge of Cedars Museum

20. Site Description: Site 42SA22519 is situated on a low alluvial ridgeline extending southwest from the base of the sandstone cliff. The sandy ridge is covered with sagebrush, with pinyon-juniper woodland at the base of the cliff. A general light flake scatter is eroding from the ridge and a concentration of burned sandstone fragments is visible at the southwestern tip of the ridge. Large sandstone slabs are also eroding from the northeastern portion of the site. A separate flake scatter is present approximately 20 m west of the northern end of the main concentration. Approximately 100 flakes, mainly secondary, are visible. Material types include white chalcedony, black chert, and white and gray fine-grained quartzite.

21. Site Condition: Excellent(A) Good(B) Fair(C) Poor(D)

22. Impact Agents inflation and erosion

23. National Register Status: Significant(C) Not Significant(D) Unevaluated(Z)

Justify: Although no tools or diagnostic artifacts are present, site has high potential for subsurface deposits and features which could yield chronological and subsistence data.

24. Photos: yes

25. Recorded by: Nancy S. Hammack

26. Survey Organization: Complete Archaeological Service Associates

27. Assisting Crew Members:

28. Survey Date: March 13, 1994

List of Attachments: Part B Topo Map Photos Continuation Sheets

Part C
 Part E

Site Sketch
 Artifact/Feature

Sketch Other:

PART A - ENVIRONMENTAL DATA

29. Slope: 6 (Degrees) 225 Aspect (Degrees)
30. Distance to Permanent Water: ? X 100 Meters
Type of Water Source: Spring/Seep(A) Stream/River(B) Lake(C) Other(D)
Name of Water Source: none
31. Geographic Unit: Lisbon Prong Salt Anticline
32. Topographical Location: (See Guide for additional information)
Primary Landform: Canyon
Secondary Landform: ridge
Describe: site is situated on a low alluvial ridge extending from base of cliffs
33. On-site Depositional Context: alluvial canyon floor
Description of Soil: tan sandy silt
34. Vegetation:
- a. Life Zone:
 Arctic-Alpine(A) Hudsonian(B) Canadian(C) Transitional(D)
 Upper Sonoran(E) Lower Sonoran(F)
- b. Community:
Primary On-Site: sagebrush
Secondary On-Site: pinyon-juniper
Surrounding Site: sagebrush
- Describe: site covered mainly with sagebrush and grasses, with pinyon-juniper at base of cliffs
35. Miscellaneous Text:
36. Comments/Continuations:

PART B - PREHISTORIC SITES

Site No.(s): 42SA22519

1. Site Type: camp

2. Culture: Affiliation unknown prehistoric or protohistoric Dating Method none Affiliation D a t i n g Method none
Describe:

3. Site Dimensions: 70 m X 20 m Area 1200 sq m

4. Surface Collection/Method: None(A) Designed Sample(C)
 Grab Sample(B) Complete Collection(D)
Sampling Method:

5. Estimated Depth of Cultural Fill: Surface(A) 20-100 cm Fill noted but unknown(E)
 0-20 cm(B) 100 cm+ Depth Suspected but not tested(F)
How Estimated:

6. Excavation Status: Excavated(A) Tested(B) Unexcavated(C)
Testing Method:

7. Summary of Artifacts and Debris (Refer to Guide for additional categories)

Lithic Scatter(LS) Isolated Artifact(IA) Burned Stone(BS) Bone Scatter(WB)
 Ceramic Scatter(CS) Organic Remains(VR) Ground Stone(GS) Charcoal Scatter(CA)
 Basketry/Textiles(BT) Shell(SL) Lithic Source(s):

Describe: app. 100 flakes, mainly secondary, eroding from low sandy ridge. No tools or utilized flakes noted. Burned sandstone on southwest edge of ridge. Sandstone slabs on northeast side of ridge.

8. Lithic Tools:

No: Type: No: Type:
No: Type: No: Type:
No: Type: No: Type:

Describe: none

9. Lithic Debitage - Estimated Quantity:

None(A) 10-25(C) 100-500(E)
 1-9(B) 25-100(D) 500+(F)

Material Type: white chalcedony, black chert, white and gray fine-grained quartzite

Flaking Stages: (0 = Not Present, 1 = Rare, 2 = Common, 3 = Dominant)

Decortication 0 Secondary 3 Tertiary 1 Shatter 1 Core 0

10. Maximum Density - #/sq m (all lithics): 5

PART B - PREHISTORIC SITES

Site No.(s): 42SA22519

-
-

11. Ceramic Artifacts:

No: -	Type: -	No: -	Type: -
No: -	Type: -	No: -	Type: -
No: -	Type: -	No: -	Type: -
No: -	Type: -	No: -	Type: -

Describe: _

12. Maximum Density - #/sq m (all ceramics): 0

13. Non-Architectural Features (locate on site map) - See Guide for additional categories

-	Hearth/Firepit(HE)	-	Rubble Mound(RM)	-	Earthen Mound(EM)	-	Water Control(WC)
-	Midden(MD)	-	Stone Circle(SC)	-	Burial(BU)	-	Petroglyph(PE)
-	Depression(DE)	-	Rock Alignment(RA)	-	Talus Pit(TP)	-	Pictograph(PI)

Describe: concentration of burned sandstone and area of eroding sandstone slabs

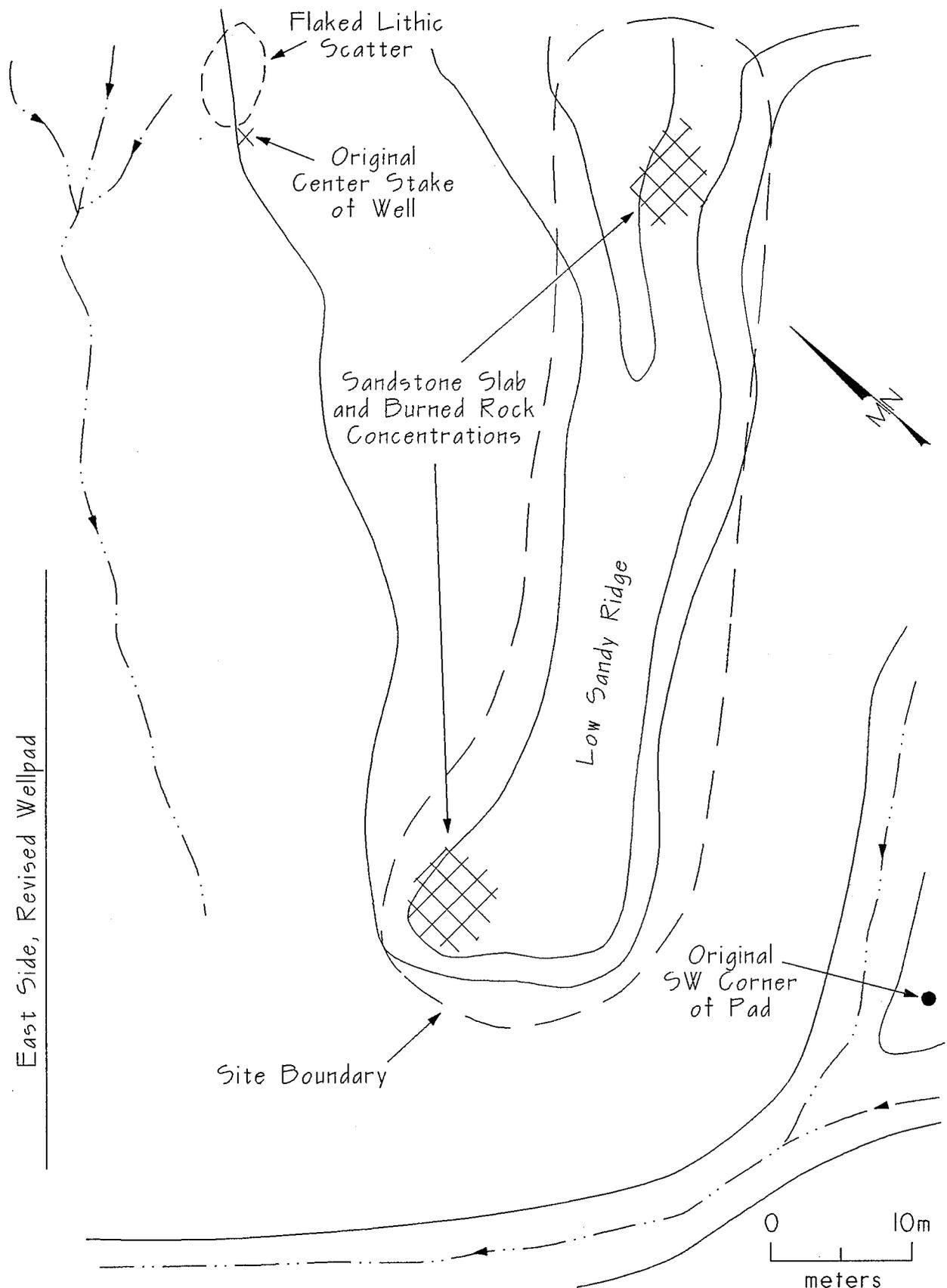
14. Architectural Features: (locate on site map)

No: -	Material -	Type: -	No: -	Material: -	Type: -
No: -	Material -	Type: -	No: -	Material: -	Type: -
No: -	Material -	Type: -	No: -	Material: -	Type: -
No: -	Material -	Type: -	No: -	Material: -	Type: -
No: -	Material -	Type: -	No: -	Material: -	Type: -

Describe: none

15. Comments/Continuations: _

East Side, Revised Wellpad



425A 22519



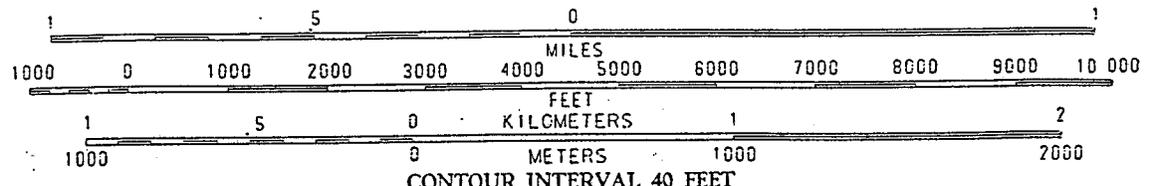
QUADRANGLE LOCATION

SANDSTONE DRAW, UTAH PROVISIONAL EDITION 1987

38109-B3-TF-024



SCALE 1:24 000



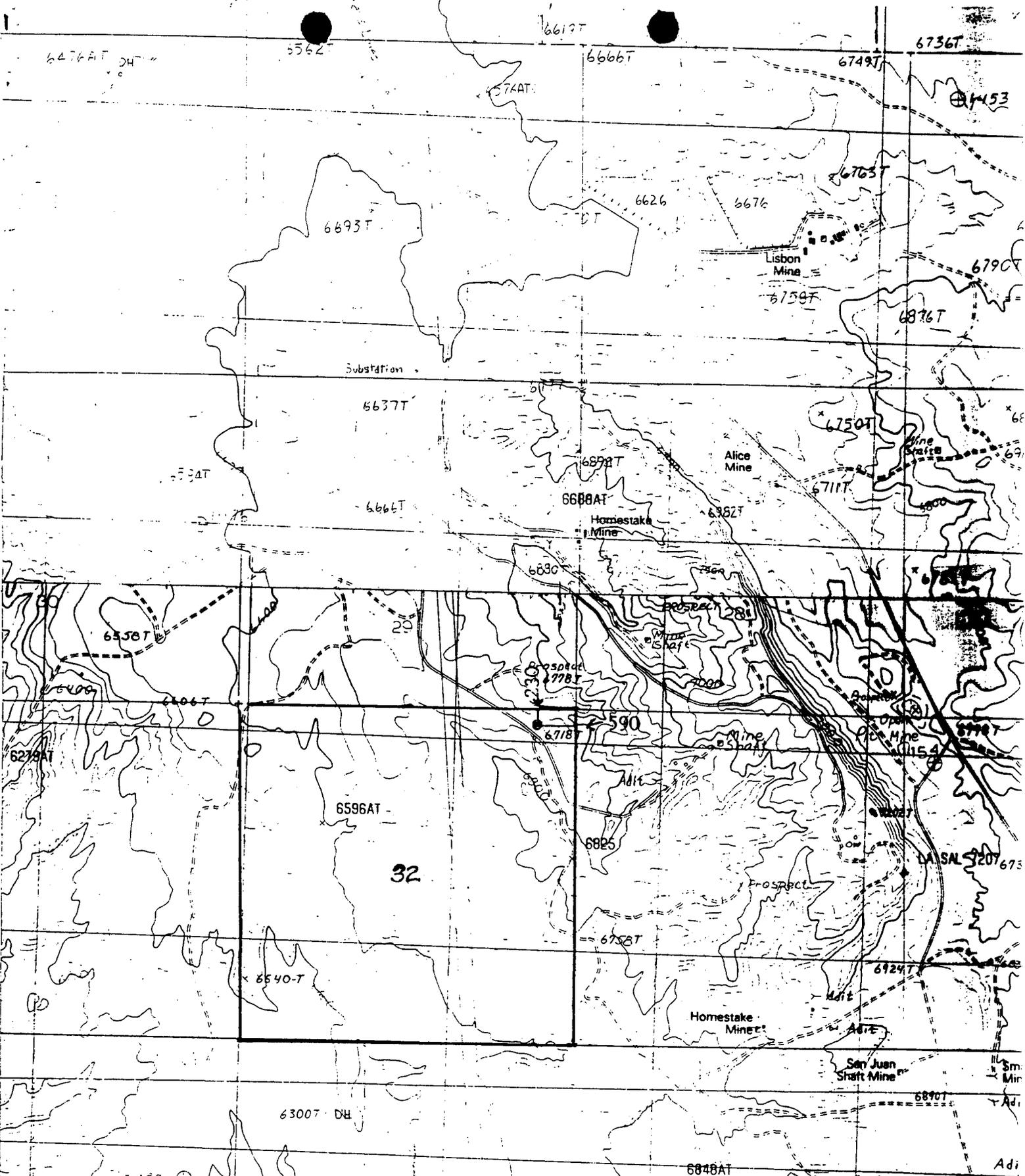
CONTOUR INTERVAL 40 FEET



General view of 42SA22519, looking north.



Closeup of sandstone slabs, 42SA22519, looking northwest.



UNOCAL
 COYOTE UNIT #1
 230 F/NL & 590 F/EL
 Sec. 32 T29S R24E S.L.M.
 San Juan Co., Utah

UNION OIL COMPANY OF CALIFORNIA

COYOTE UNIT #1
Sec. 32, T29S, R24E
San Juan County, Utah

A. DRILLING PROGRAM

1. SURFACE FORMATION: Wingate

Estimated Tops of Geological Markers:

Ungraded Ground Elevation - 6718'

<u>Formation</u>	<u>Depth Below G.L.</u>	
Chinle	380'	
Hermosa	2246'	
LaSal	3501'	
Paradox Shale	4165'	
Ismay	4220'	
U. Ismay Dolomite	4260'	
L. Ismay Dolomite	4379'	
Paradox Salt	4490'	
Clastic No. 10 (A-maker)	5848'	
Clastic No. 13 (B-marker)	6212'	
Clastic No. 19 (C-marker)	7659'	
Cane Creek	8186'	TVD ±8660' MD
Cane Creek Target	8223'	TVD ±8863' MD
Total Depth	8223'	TVD ±9863' MD

2. Estimated Depth at which oil, gas, water or other mine mineral - Bearing zones are expected to be encountered:

<u>Formation</u>	<u>Top</u>	<u>Bottom</u>
<u>Expected Oil Zones</u>		
U. Ismay	4260'	4278'
L. Ismay	4379'	4398'
Clastic #10 (A-marker)	5848'	5903'
Clastic #13 (B-marker)	6212'	6247'
Clastic #19 (C-Marker)	7659'	7704'
Cane Creek	8186'	8256'

Coyote Unit #1
Drilling Program - 2

<u>Formation</u>	<u>Top</u>	<u>Bottom</u>
<u>Expected Gas Zones</u>		
U. Ismay	4260'	4278'
L. Ismay	4379'	4398'
Clastic #10 (A-marker)	5848'	5903'
Clastic #13 (B-marker)	6212'	6247'
Clastic #19 (C-marker)	7659'	7704'
Cane Creek	8186'	8256'

Expected Water Zones:

May encounter water flows from
surface to Paradox shale at ±4165'

Expected Mineral Zone:

None.

3. Pressure Control BOP's: (See Attachment No.s 1, 2 and 3)

Well Head:

Casing Head: 13-5/8" 5000 x 11-3.4" sow

BOP Stack:

One double-gate BOP with 4-1/2" pipe rams and blind rams.

One-choke manifold with adjustable and positive chokes

One hydril above BOP's

The BOP, choke manifold, and hydril will be rated at 5000 psi.

Coyote Unit #1
 Drilling Program - 3

An upper and lower Kelly cock will be utilized and a stabbing valve will be on the rig floor.

Testing Procedure:

BOP's (Pipe and blind rams) and choke manifold will be tested at the rated working pressure of the stack or to 70% of the internal yield of the surface casing (whichever is less). Tests will be run at the time of installation, following all repairs, prior to drilling out each casing shoe, and at least every 30 days. BOP's will be operationally tested daily and each test will be logged in the IADC Daily Drilling Report.

Casing Program:

Surface Casing - 11-3/4" § 1000'
 (Mud Wt. 9.5ppg)

<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>	<u>New/Used</u>
0-1000'	11-3/4"	47#	J-55	ST&C	New

Intermediate Casing - 7-5/8" § ±8665' MD
 (Mud Wt. 12ppg)

<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>	<u>New/Used</u>
0 -4300'	7-5/8"	29.7#	N-80	LT&C	New
4300'-7200'	7-5/8"	33.7#	S-95	LT&C	New
7200'-8665'MD	7-5/8"	39#	S-95	LT&C	New

Production Liner - 5" Slotted Liner § ±9865' MD
 (Mud Wt. 12ppg - 17.5ppg)

<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>	<u>New/Used</u>
±8550'MD to ±9865'MD	5"	18#	N-80	LT&C	New

Minimum Safety Factors

Collapse: 1.125
 Tension: 1.8
 Burst: 1.0

Cementing Program: The 11-3/4" surface casing will be cemented to surface as follows: lead - 300 sks "Lite" cement (12.7 lb/gal, 1.71 cu. ft. yield) followed by 300 sks "G" cement (15.6 lb/gal, 1.19 cu. ft. yield). The 7-5/8" intermediate casing will be cemented in 2 stages with "DV" tool at ±7000' as follows: 1st Stage - 350 sks premium cement (16 lb/gal, 1.12 cu. ft. yield). 2nd stage - lead 400 sks "Lite" cement (12.7 lb/gal, 1.69 cu. ft. yield) followed by 100 sks premium cement (15.75 lb/gal, 1.15 cu. ft. yield). Cement top at ±4200'. All cement slurries will also use appropriate additives (for loss, friction reduction, retarder and accelerator - surface casing). The 5' slotted liner will not be cemented.

Casing hardware for surface casing to include guide shoe, float collar, centralized shoe joint and next five joints. Casing hardware for the intermediate string to include guide shoe, float collar, DV tool at ±7000'; heavy duty stand-off centralizers, turbalizers and cement baskets above and below "DV" tool.

Note: A 16" conductor pipe will be set at ±60' and will be cemented back to surface.

5. Drilling Fluid"

<u>Depth</u>	<u>Type</u>	<u>Weight (ppg)</u>	<u>Vis.</u>	<u>W.L</u>
0 - 1000'	Spud Mud	8.6-9.2#	34-45	NC.
1000' -±4350'	FW/Polymer	8.6-9.2#	35-40	NC.
±4350' -±8665'MD	*Saturated Salt System	10.1-12#	35-45	<10
±8665' -±9865'MD	*Saturated Salt System	12#	35-45	<10

*NOTE: The 9-7/8" hole from the top of the salt at ±4490' to the top of the Cane Creek formation at ±8665' (7-5/8" csg point) and the 6-1/2" hole (Horizontal section) from ±8665' to ±9865' will be drilling with a saturated salt mud system (±12 ppg) unless unstable hole conditions and/or pressure is encountered. If these conditions are encountered, the mud will be changed out to a weighted invert oil mud (12 ppg - 17.5 ppg) which will be stored on location in tanks ready to pump down the hole.

6. Testing, Logging, and coring program:

DST's: None

Logging:

Bottom of surface casing to ±8665' MD: DIFL/GR

Bottom of surface casing to ±8665' MD: BHC Accustic/GR

±8665'±9865' (Horizontal Leg): L.W.D./GR

NOTE: Two-man logging unit form ±3200' to TD

Cores: None

Completion: A 5" production slotted liner will be run and set through the Cane Creek Horizontal section - if necessary. The well (if productive) will be "clean-up" and produced with a packer, set just above the 5" liner top, and 2-7/8" tbg.

7. Abnormal Pressures, Temperatures, and Potential Hazards:

Above normal pressures could occur in the clastic sections of the Cane Creek Formation.

Formation Estimated

Reservoir Pressures

Cane Creek
(±8860'MD,±8223'TVD)

3500 psi to 5000 psi

Normal temperature gradients are anticipated.

No H₂S gas is anticipated.

8. Additional Information:

Starting Date:

Road and location work will begin as soon as approval has been received from the Bureau of Land Management and the State of Utah, weather permitting. Drilling should commence immediately upon completion of location, weather permitting.

Duration of Operations:

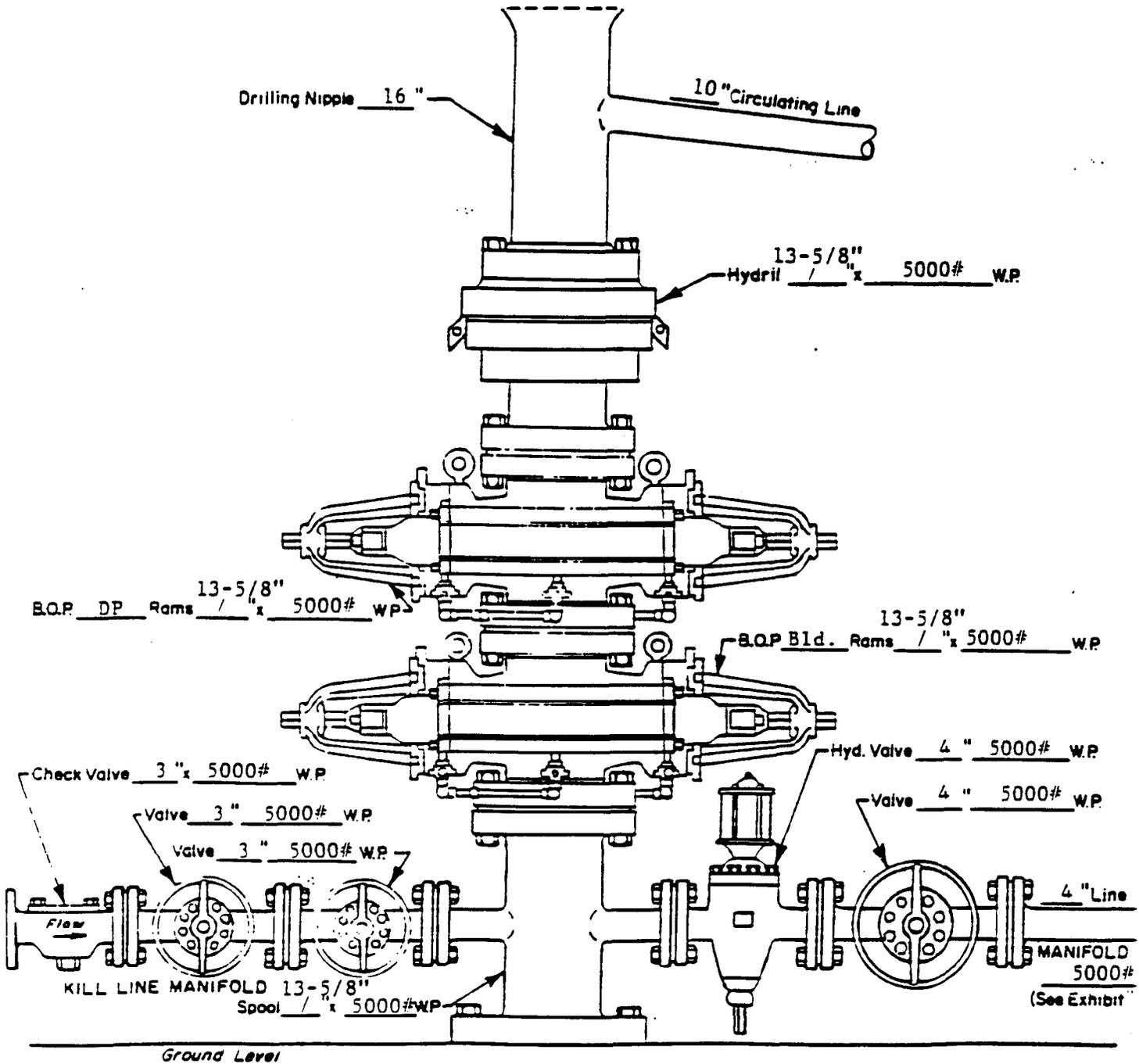
Drilling: 60 days
Completion: 15 days

Completion:

If a completion is attempted, the drilling rig will be removed and a pulling unit will be moved in and will use BOP's of a similar pressure rating.

COYOTE UNIT # 1

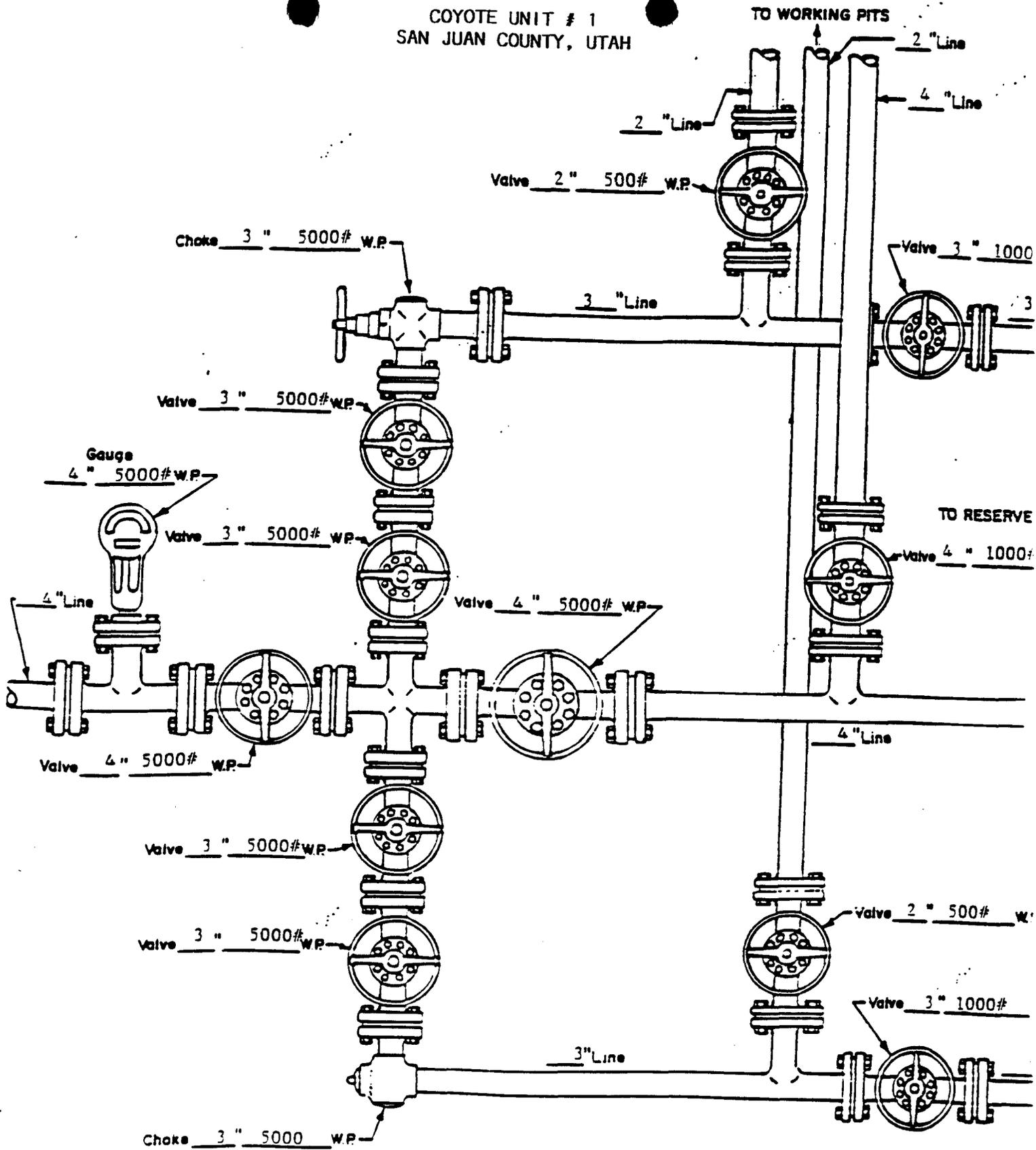
SAN JUAN COUNTY, UTAH



WELL HEAD B.O.P.
5000 #W.P.

- Manuel
- Hydraulic

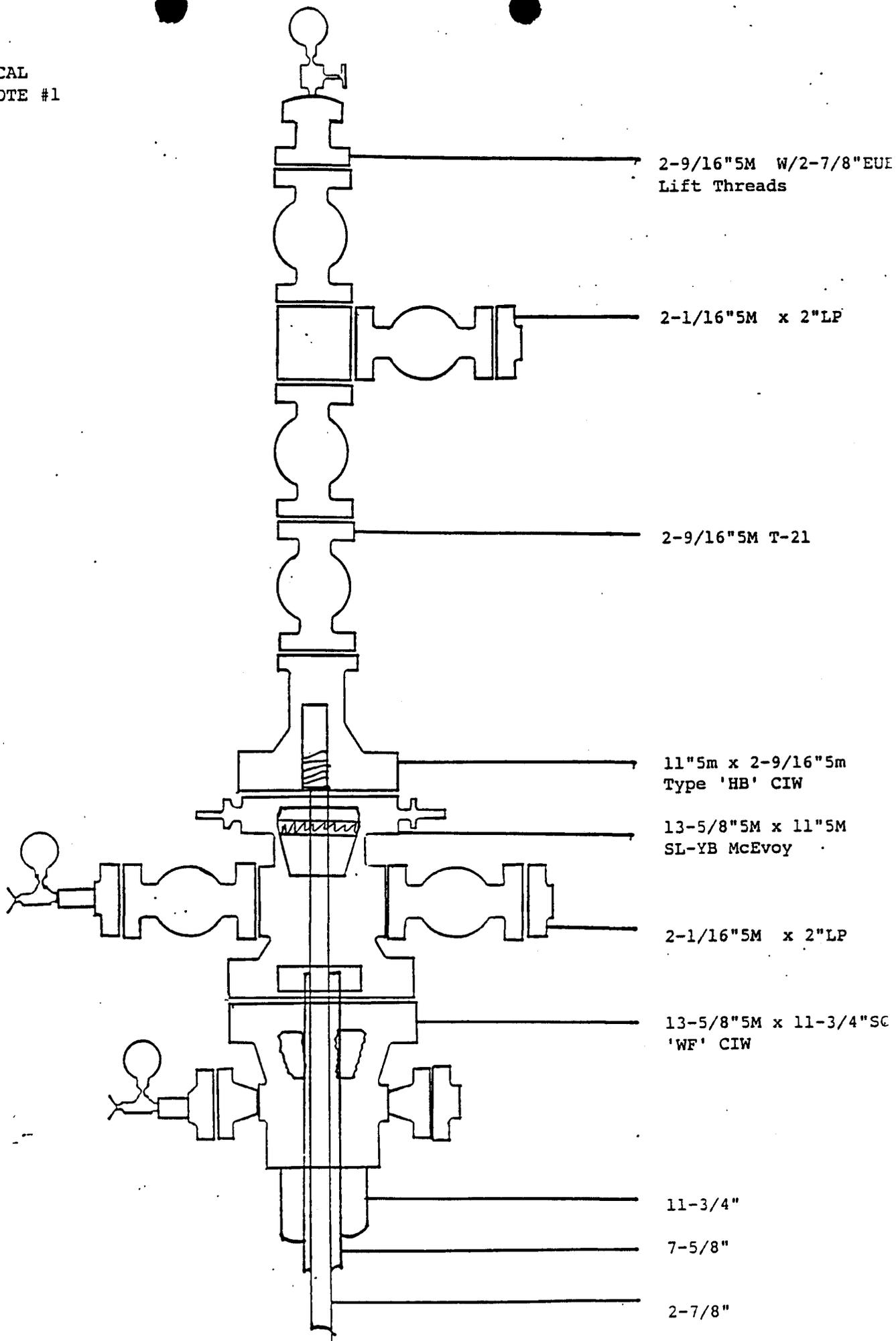
COYOTE UNIT # 1
SAN JUAN COUNTY, UTAH



MANIFOLD
5000 #W.P.

- Manual
- Hydraulic

UNOCAL
COYOTE #1



UNION OIL COMPANY OF CALIFORNIA
COYOTE UNIT #1
SEC. 32, T29S, R24E
San Juan County, Utah

B. Thirteen Point Surface Use Plan

1. Existing Roads:

- a. The proposed well is approximately 33.5 miles south and east of Moab, Utah. The well site as staked is shown on the surveyor's plat. Four directional reference points have been staked.
- b. From Moab, Utah, proceed 22 miles south on Highway No. 163 to LaSal Junction. Turn left onto Highway 46 at LaSal Junction. Proceed 6.5 miles east on blacktop to blue sign that reads "Rio-Algom Corp., Lisbon Mine". Turn south for 3 miles on paved road. Turn right onto paved road w/county road #116 - Heckla sign. Proceed on paved county road staying to the right for 1.8 miles. Turn left onto location access road. (See Attachment No. 4)
- c. No new access road will be required
- d. Existing roads are shown on Attachment No. 4 & 6.
- e. The existing county road will be maintained at a standard equal to or better than the condition of the road prior to the start of operations, weather conditions permitting. At the Conclusion of drilling and completion operations, the road will be repaired and restored to a standard equal to or better than the condition at the start of the operations.
- f. An encroachment permit has been applied for with the San Juan County Road Department.

2. Planned Access Roads:

- a. No new access road will be required.
- b. Width - NA

- c. No culverts will be needed. A ditch will be cut along the South-Southeast side of the location and existing road to divert water run-off from the pad.
- d. No surfacing material will be needed. No fence cuts, cattle guards or gates will be needed.

3. Location of Existing Wells:

Attachment Nos. 5 & 6 shows producing wells, water wells and abandoned wells within one mile of the Coyote Unit #1.

1) Water Wells	-0	6) Producing Well	-1
2) Abandoned Well	-1	7) Shut-In Wells	-0
3) Temp Abandoned Wells	-0	8) Injection Wells	-0
4) Disposal Wells	-0	9) Monitoring Wells	-0
5) Drilling Wells	-0		

4. Location of Existing and/or Proposed Facilities:

- a. There are no existing facilities located within the well pad.
- b. Attachment No. 7 Shows the proposed new Facilities and flow lines to be constructed if the well is productive.

- 1) All permanent production facilities will be painted one of the following colors: Largo Red, Brush Brown, or Desert Brown.
- 2) The production pad will be approximately 325' X 225'.
- 3) No outside construction materials should be necessary.
- 4) All equipment will either be fenced or have metal guards in place. One emergency pit will be required. It will be fenced.

- 5) A ±8000', 6" to 8" gas gathering line will be run to the east, southeast and connect to the existing facilities at the Big Indian #1 well. This is shown on attachments 6 & 7. The tank battery will be surrounded by a dike sufficient to hold 1-1/2 times the capacity of the storage tanks.
 - 6) All site security regulations will be adhered to.
- c. Plan for rehabilitation of disturbed areas no longer needed for operations after construction is complete:
- 1) The reserve pit will be fenced. When the reserve pit is dry, the pit will be backfilled and the fence will be removed.
 - 2) The area of the drill site not needed for production operations, including the reserve pit, will be re-contoured to the natural level. The topsoil will be redistributed and will be reseeded with a recommended BLM seed mixture. Prior to reseeded, all disturbed areas will be scarified and left with a rough surface.
 - 3) Revegetation and reseeded will take place during the next designated season per BLM and/or State of Utah stipulations.

NOTE:

The BLM, Grand Resource Area and the State of Utah, will be notified forty-eight (48) hours before starting reclamation work that involves earth moving equipment and upon completion of restoration measures.

5. Location and Type of Water Supply:

- a. Water for drilling purposed will be obtained from the Rattlesnake Ranch (Permit #838-05-570) at (point of diversion) - N 3125'

E 1070' from SW corner Sec. 7, T29S, R24E and Union's Lisbon Valley plant water well.

- b. The water will be hauled by truck to the location along the existing roads.
- c. No water well is proposed

6. Source of Construction Materials:

- a. The proposed location will utilize soil material which is on location. No construction material will be needed.
- b. Topsoil from the location will be stockpiled at the wellsite for restoration purposes. The soil material will be obtained from the immediate area of the drilling operations and will be used to fill in the low areas. (see Attachment No. 8)

7. Methods for Handling Waste Materials:

- a. Cuttings, salts, drilling fluids, and test fluids will be contained in the reserve pit. The reserve pit will either be lined with a reinforced 12 mil. liner or a layer of bentonite/fly-ash mixture. After construction of the pit, a reinforced 12 mil. liner or a layer of bentonite/fly-ash will be spread on the sides and bottom the reserve pit. When the reserve pit is dry and before reclamation work begins, a mixture of bentonite/fly-ash will be mixed with the cuttings (if deemed necessary by the State of Utah) before the reserve pit is reclaimed. Cuttings will be buried in the reserve pit. Prior to drilling, the reserve pit will be fenced on three sides with four strands of barbed wire.
- b. Drilling fluids will be disposed of in the reserve pit. The water will be allowed to dry/evaporate and the remaining solids will be buried. The top of the pit will be netted while allowing the water to evaporate.

- c. In the event of a producing well, produced fluids will be handled in a tank battery on the location. Produced water will be disposed of in accordance with NTL-2B.
 - d. Chemical toilets will be utilized.
 - e. Garbage and other waste material will be disposed of in a portable trash cage which will be completely enclosed with small mesh wire. The trash will be hauled to an approved landfill or incinerated off-site.
 - f. When the rig moves out, all extraneous material will be disposed of as garbage or hauled to town. When the pits have dried, they will be backfilled and re-contoured per BLM recommendations.
8. Ancillary Facilities:
- a. No camps or airstrips will be needed.
9. Well Site Layout: (See Attachment Nos. 8, 9 and 10)
- a. Maximum cut will be 9', Maximum fill will be 9'. Depending on the size of the drilling rig, the well site dimensions will be reduced and therefore the maximum cut will be reduced
 - b. No living facilities will be installed; however, two trailers houses will be on location for company personnel.
 - c. The pits will be lined either with a min. 12 mil. plastic material or a bentonite/fly-ash mixture, whichever is deemed necessary by the State of Utah (Surface Owners).
10. Plans for Resonation of surface:
- a. Backfilling, leveling, contouring, and waste disposal:

The top 6" of topsoil (if available) will be removed from the location and stockpiled as shown in Attachment No. 8. After the reserve pit is dry, the pits and unused portion of the location will be backfilled, leveled, and contoured to the natural level. The topsoil will be redistributed over the area.

b. Revegetation and rehabilitation:

The location will be reseeded with a recommended BLM or State of Utah seed mixture as per BLM or State specifications.

c. Care of pits prior to rig release:

Prior to rig release, pits will be fenced and a netting placed over the top and so maintained until cleanup.

- d. If oil is on the pit, it will be removed.
- e. Immediately following the completion of operations cleanup will commence. As soon as the pit is completely dry, the pit will be filled and cleanup finalized. Seed will be broadcast in the fall of the year.
- f. If the well is productive a gas gathering line will be installed. This line will run to the east, southeast and tie into the existing facilities at Union's Big Indian #1 well (See attachment NO. 6)

Pipelines will be constructed adjacent to roads or paralleling existing right-of-ways where feasible. Changes in pipeline routes that require R.O.W., surveying, archeological clearance, etc., will be filed under a separate permit for approval.

11. Surface ownership:

The land in Section 32 (surface location) is owned and administered by the state of Utah. The bottom hole

location (section 29) is federally owned and is administered by the BLM.

12. Other Information

A. Topography, soil characteristics, geological features, ect.:

The terrain surrounding the location is a semi-arid, desert-type country. The location lies in a small valley surrounded by sandstone ridges. Cedar, sage, and desert grasses grow on the rocky, sparse topsoil. Rabbits, mule deer, and lizards are typical fauna.

B. Other surface-use activities and surface ownership of all involved lands:

The surface (Section 32) is used for livestock grazing and is administered by the state of Utah. The land is owned by the state of Utah.

C. Proximity of water, occupied dwellings, archeological, historical or cultural sites:

There are no reservoirs or flowing streams in the immediate area of the proposed location.

An archeological survey has been made and archeological clearance has been recommended. The Archeological report has been submitted to the BLM office in Moab, Utah and the State of Utah.

All persons working in the area and associated with the project will be informed that they are subject to prosecution for knowingly disturbing historic and/or archeological sites or for collecting artifacts. If historical or archeological materials are uncovered, work will be stopped and an authorized officer will be informed.

13. Operator's Field Representative and Certification:

A. Field Representative:

Mr. Jim Benson
Drilling Superintendent
Union Oil Company of California
P.O. Box 2620
Casper, Wyoming 82602-2620

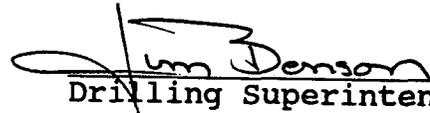
Phone - (307) 234-1563, ext. 116

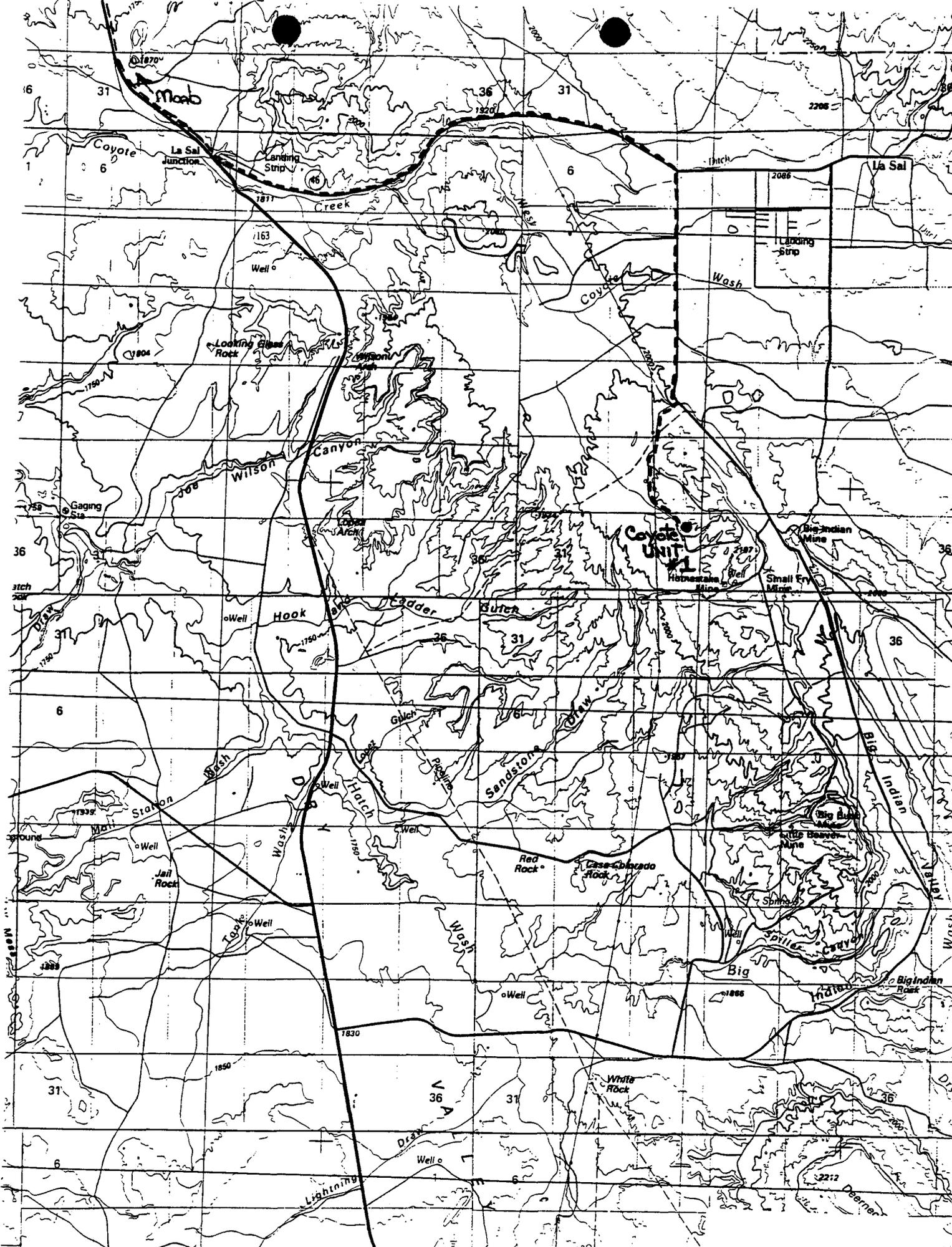
B. Certification:

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 the 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 Union Oil Company of California and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

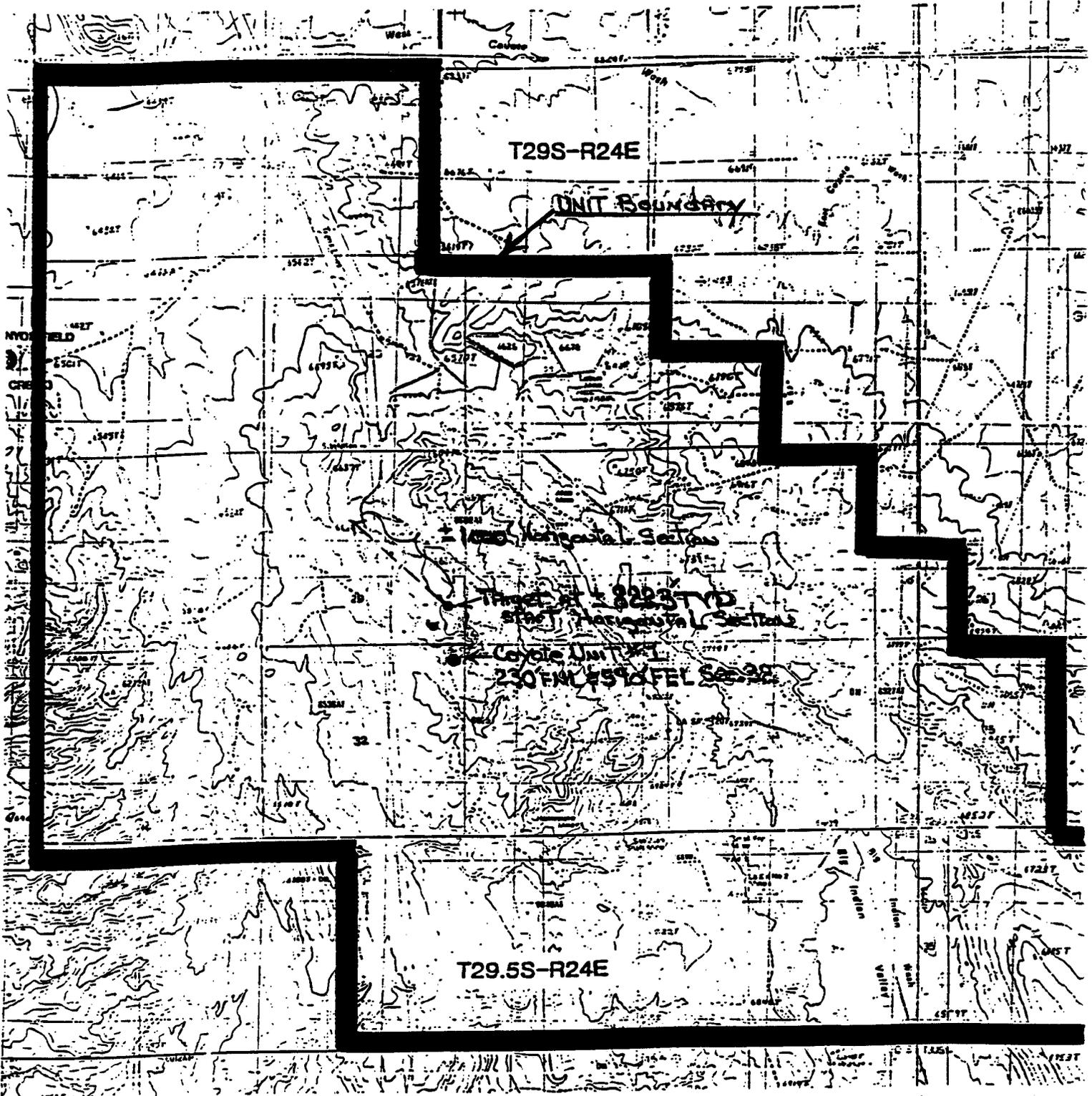
Date

3/16/94


Drilling Superintendent

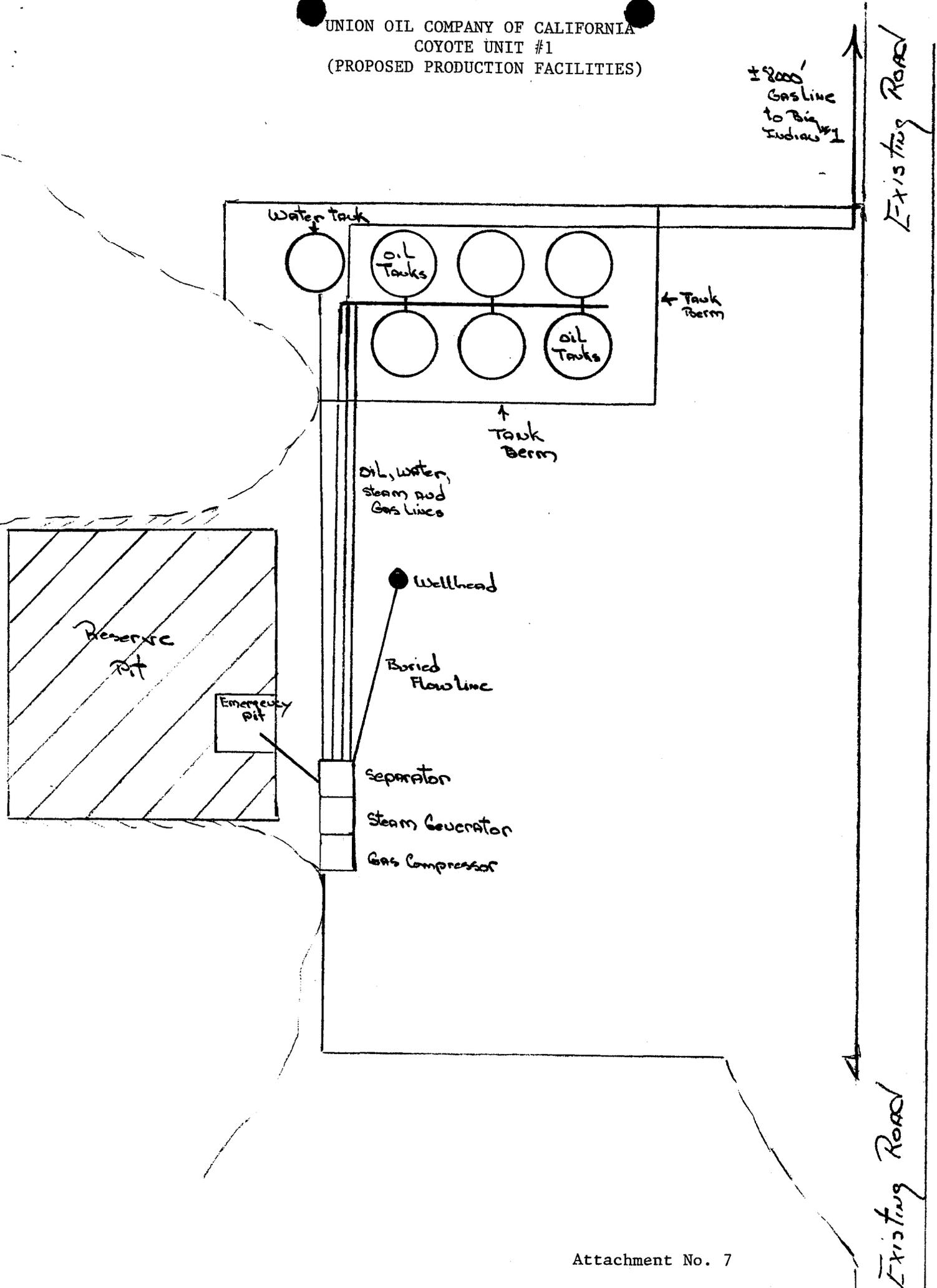


UNION OIL COMPANY OF CALIFORNIA



COYOTE UNIT
SAN JUAN COUNTY, UTAH

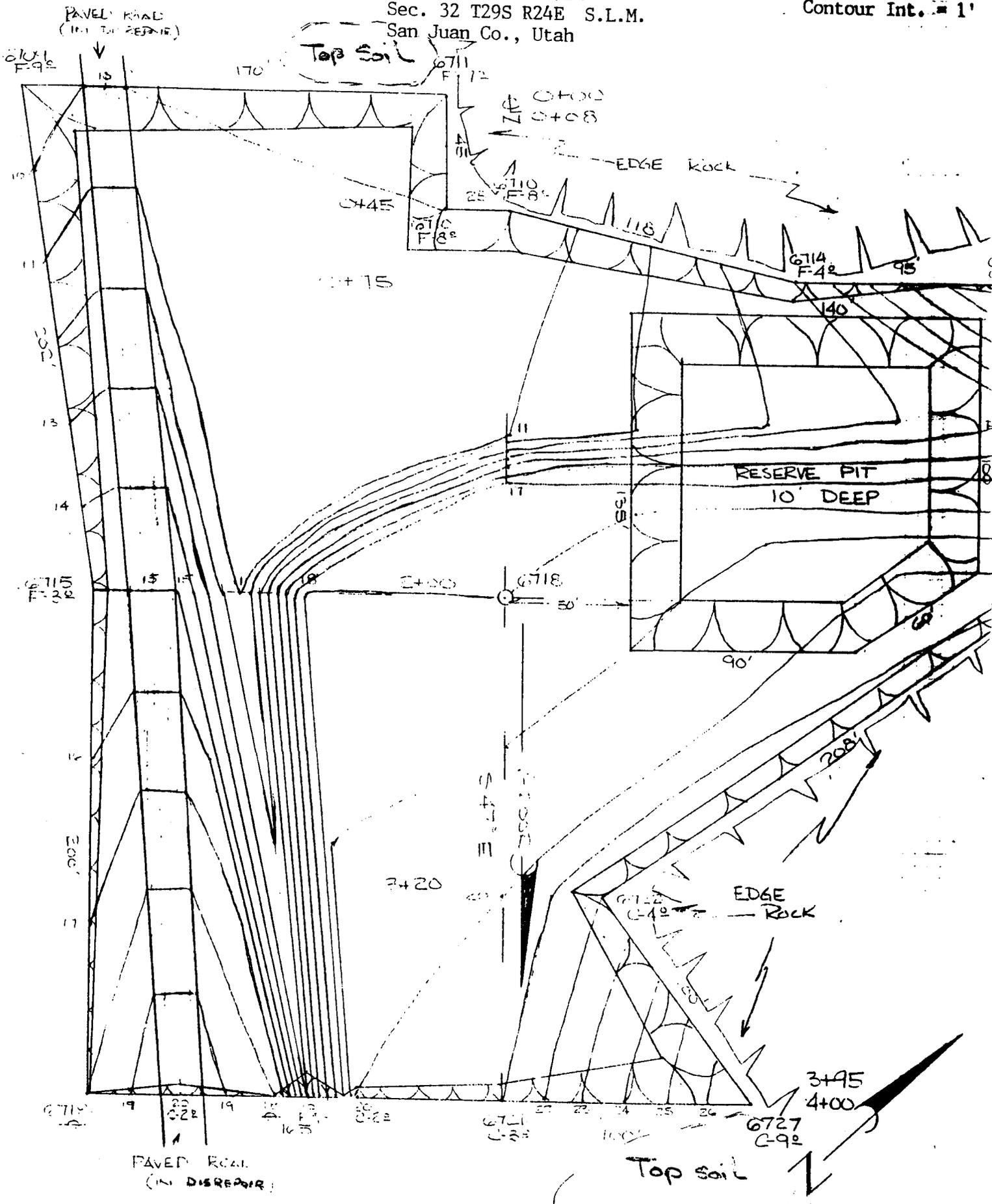
UNION OIL COMPANY OF CALIFORNIA
COYOTE UNIT #1
(PROPOSED PRODUCTION FACILITIES)



COYOTE UNIT #1
230 F/NL & 590 F/EL
Sec. 32 T29S R24E S.L.M.
San Juan Co., Utah

Scale 1" = 50'

Contour Int. = 1'



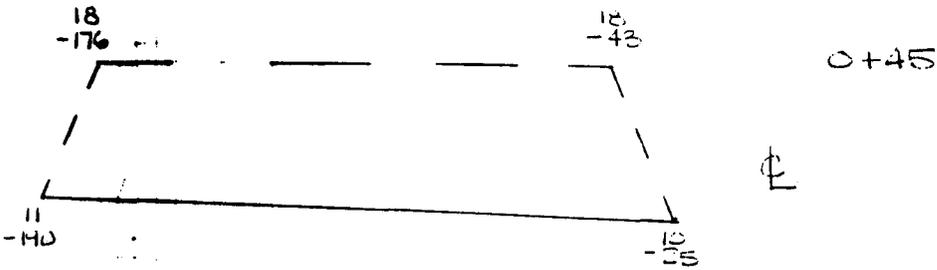
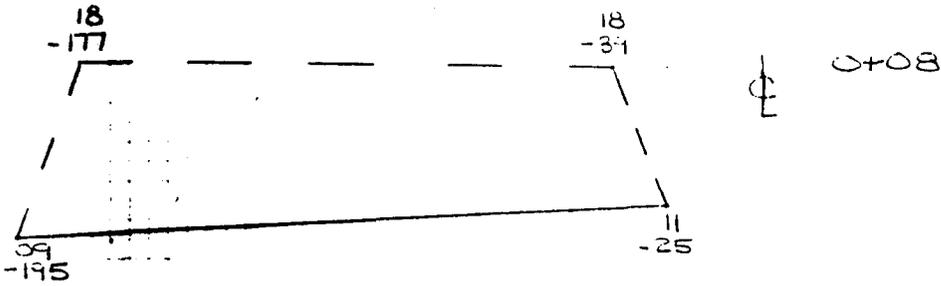
UNOCAL

Scale: Horz. 1" = 50'
Vert. 1" = 10'

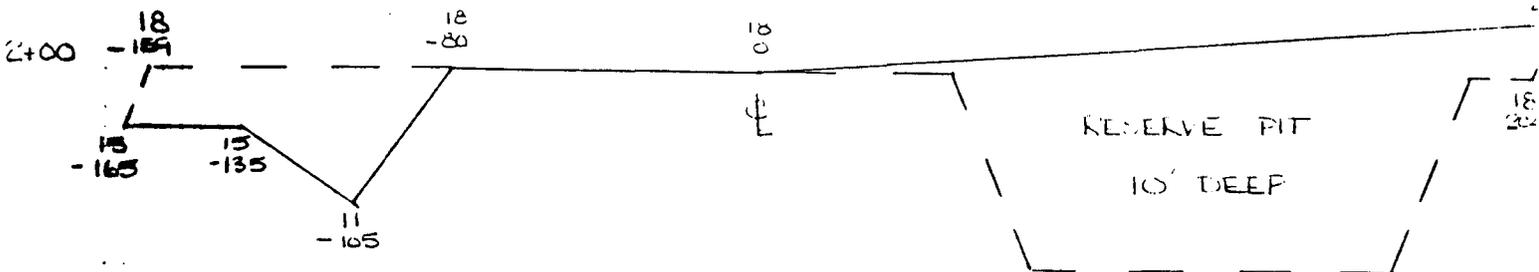
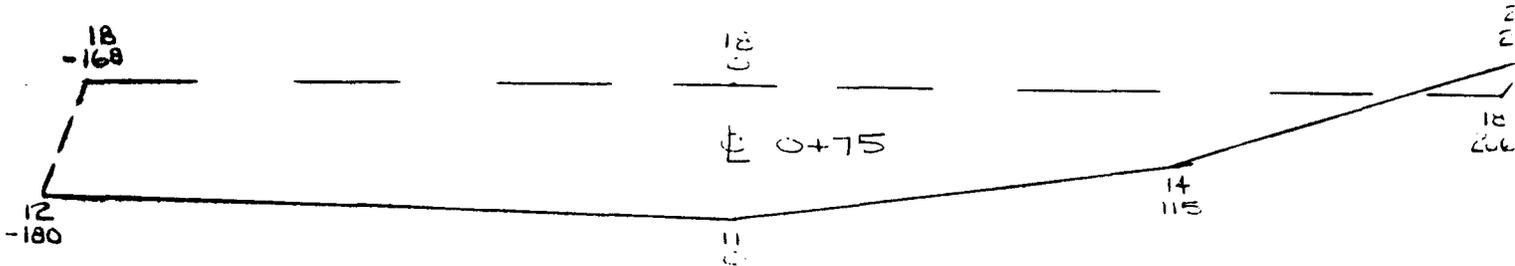
COYOTE UNIT #1
230 F/NL & 590 F/EL
Sec. 32 T29S R24E S.L.M.
San Juan Co., Utah

0+00

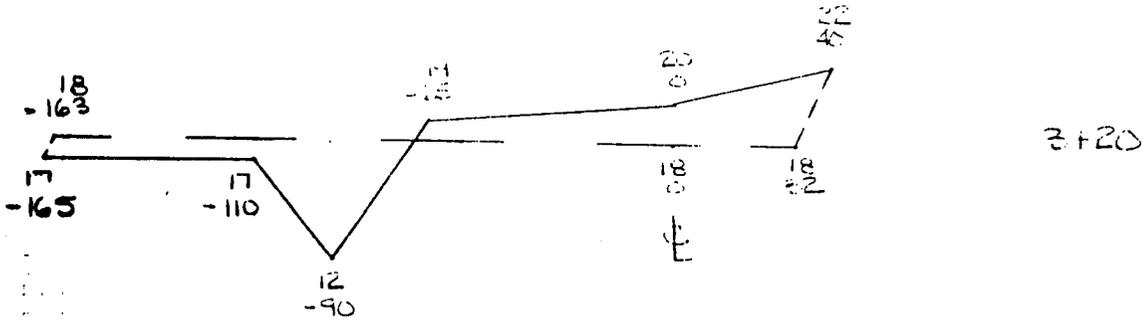
ZERO CUT, FILL



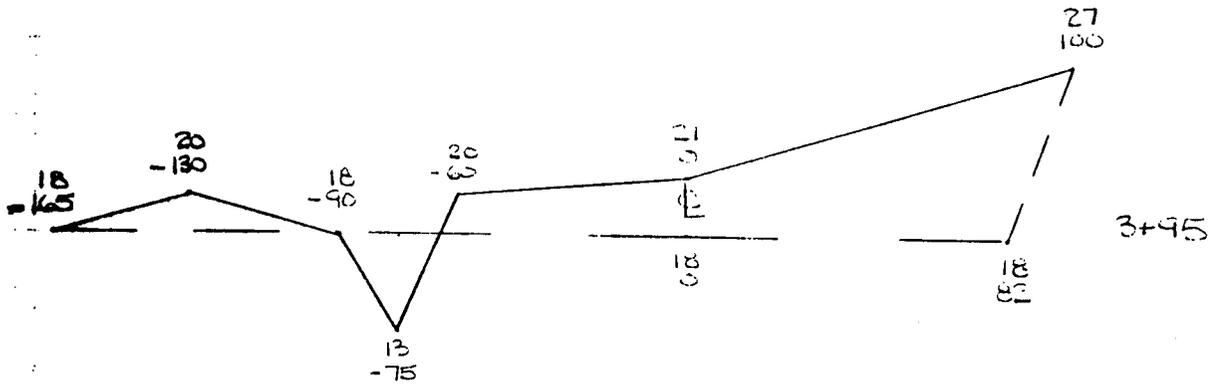
X-SECTIONS AND VOLUMES



COYOTE UNIT #1



X-SECTIONS AND VOLUMES

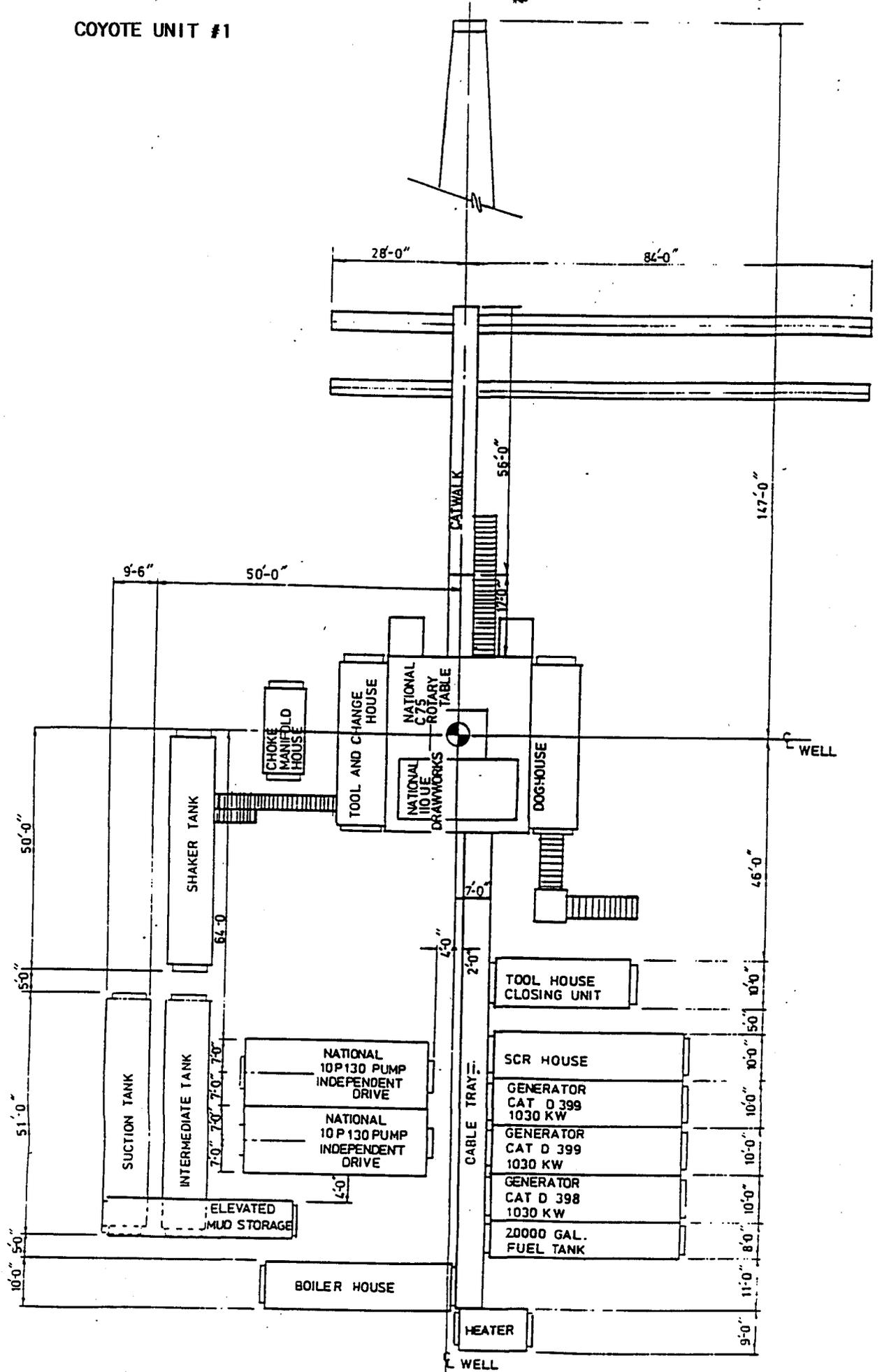


4+00

ZERO CUT/FILL

CUT.....3310 CU DYS.
 FILL.....10,055 CU YDS.
 PIT EXCAVATION.....3929 CU YDS.

COYOTE UNIT #1

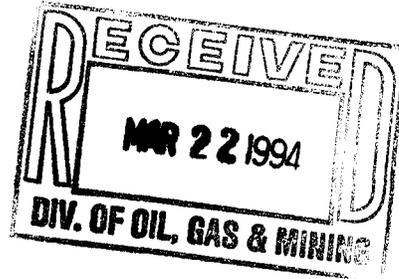




COMPLETE ARCHAEOLOGICAL SERVICE ASSOCIATES

12400 Highway 666 • Cortez, Colorado 81321 • (303) 565-9229

Mr. K. Michael Hebertson
State of Utah Department of Natural Resources
Oil and Gas Program
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203



March 18, 1994

Dear Mr. Hebertson,

Enclosed are two copies of the cultural resource clearance report for UNOCAL's Coyote Unit Federal 29-1 wellpad. This wellpad was revised on March 15 during the onsite to avoid cultural resources. The revised preferred well location, as staked, will avoid site 42SA22519 by over 50 feet. Two copies of the site form are also included. This report also includes an alternate location staked on BLM lands. Cultural resource clearance has been recommended for the revised preferred location, with stipulations, and for the alternate location.

Please review and submit to the Utah SHPO office. Please do not hesitate to call me if you have any questions concerning this report.

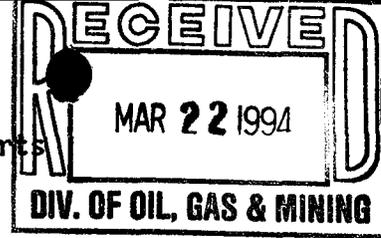
Sincerely,

Nancy S. Hammack
CASA

enclosures: 2 copies report
2 copies site form
1 copy UTAH SHPO cover page

cc: BLM, Moab District
UNOCAL

COVER PAGE
Must Accompany All Project Reports
Submitted to Utah SHPO



Project Name: UNOCAL coyote Unit 29-1 Wellpad State Proj. No.: U-94-CH-119sb

Report Date: March 18, 1994

Principal Investigator: Nancy S. Hammack

Field Supervisor(s): Nancy S. Hammack

Acreage Surveyed
Intensive: 14.35 acres Recon/Intuitive: _____ acres

7.5' Series USGS Map Reference(s): Sandstone Draw, Utah 1987 Provisional

Sites Reported	Count	Smithsonian Site Numbers
Archaeological Sites		
Revisits (no inventory form update)	<u>0</u>	_____
Revisits (updated IMACS site inventory form attached)	<u>0</u>	_____
New recordings (IMACS site inventory form attached)	<u>1</u>	<u>42SA22519</u>
Total Count of Archaeological Sites	<u>1</u>	
Historic Structures (USHS 106 site info form attached)	<u>0</u>	
Total National Register Eligible Sites	<u>1</u>	

Checklist of Required Items

- x 1 Copy of the Final Report,
- x Copy of 7.5' Series USGS Map With Surveyed/Excavated Area Clearly Identified. In report
- x Completed IMACS Site Inventory Forms, Including
x Parts A and B or C,
x the IMACS Encoding Form,
x Site Sketch Map,
x Photographs, and
x Copy of the Appropriate 7.5' Series USGS Map w/ the Site Location Clearly Marked and Labelled w/ the Smithsonian Site Number
- x Completed "Cover Sheet" Accompanying Final Report and Survey Materials



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

April 20, 1994

Union Oil Company of California
P.O. Box 2620
Casper, Wyoming 82602

Re: Coyote Unit No. 1 Well, Surface Location at 230' FNL, 590' FEL, NE NE, Sec. 32, T. 29 S., R. 24 E., and Proposed Bottomhole Location at 1856' FSL, 983' FEL, NE SE, Sec. 29, T. 29 S., R. 24 E., San Juan County, Utah

Gentlemen:

Pursuant to Utah Admin. R. 649-3-3, Exception to Location and Siting of Wells and Utah Admin. R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, the Application for Permit to Drill the referenced well is approved. The surface location of the well will be located 230' FNL and 590' FEL, Section 32, T. 29 S., R. 29 E., State Lease ML-45822, and the proposed bottomhole location will be 1856' FSL and 983' FEL, Section 29, T. 29 S., R. 24 E., Federal Lease U-0107578.

In addition, the following specific actions are necessary to fully comply with this approval:

1. The reserve pit will be located in the northeast quadrant of the drill site. The reserve pit will be lined with a synthetic liner of minimum 12 mil thickness. If the use of weighted invert oil mud is anticipated, the liner should extend from the pit to the mud tanks. Upon termination of drilling and completions operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility as directed by the Division staff.
2. The drill site construction should allow for diverting surface runoff around the west edge of the site. A culvert will be required under the access road near the drill site to divert any surface runoff.



Page 2

Union Oil Company of California

Coyote Unit No. 1 Well

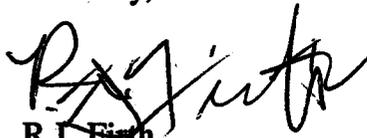
April 20, 1994

3. Surface material (top soil and brush) removed from the well site will be stockpiled off the southeast side of the site.
4. An erosion control ditch should be constructed around the reserve pit and the north side of the drill site to provide for diversion of any drainage or runoff away from the drill site.
5. The drill site should be capped to provide for site stabilization and support the heavy equipment that will use the site.
6. The archaeological site to the east of the wellsite should be fenced prior to construction and while drilling operations are being conducted on the well.
7. Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules.
8. Notification to the Division within 24 hours after drilling operations commence.
9. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
10. Submittal of the Report of Water Encountered During Drilling, Form 7.
11. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or K. Michael Hebertson, Reclamation Specialist, (Home) (801)269-9212.
12. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

Page 3
Union Oil Company of California
Coyote Unit No. 1 Well
April 20, 1994

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-037-31738.

Sincerely,



R.J. Firth
Associate Director

ldc
Enclosures
cc: San Juan County Assessor
Bureau of Land Management, Moab District Office
WOI1

MAR 13 1994
Received
BLM
Moab District

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

1a. TYPE OF WORK
 DRILL DEEPEN

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 UNION OIL COMPANY OF CALIFORNIA

3. ADDRESS AND TELEPHONE NO.
 P.O. Box 2620, Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At SURFACE
 230' FNL & 590' FEL Sec. 32 (Surface location)
 At proposed prod. zone
 Sec. 29 (End of Horizontal Section)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 30 miles SE of Moab, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)	280'	16. NO. OF ACRES IN LEASE	640	17. NO. OF ACRES ASSIGNED TO THIS WELL	N/A *
13. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	0	19. PROPOSED DEPTH		20. ROTARY OR CABLE TOOLS	Rotary

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

5. LEASE DESIGNATION AND SERIAL N
 U-0107578
 State - ML 45822

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 N/A

7. UNIT AGREEMENT NAME
 Coyote Unit

8. FARM OR LEASE NAME WELL NO.

9. API WELL NO.
 1

10. FIELD AND POOL, OR WILDCAT
 Coyote

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 32 T29S R24E

12. COUNTY OR PARISH
 San Juan

13. STATE
 Utah

22. APPROX. DATE WORK WILL START
 April 15, 1994

RECEIVED
APR 22 1994
DIV. OF OIL, GAS & MIN.

24. SIGNED Jim Benson TITLE Drilling Superintendent DATE 3/16/94
 (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 under the terms and conditions of approval, if any.
 APPROVED BY 1st Brent Northrup TITLE ACTING Associate District Manager DATE APR 20 1994

*See Instructions On Reverse Side

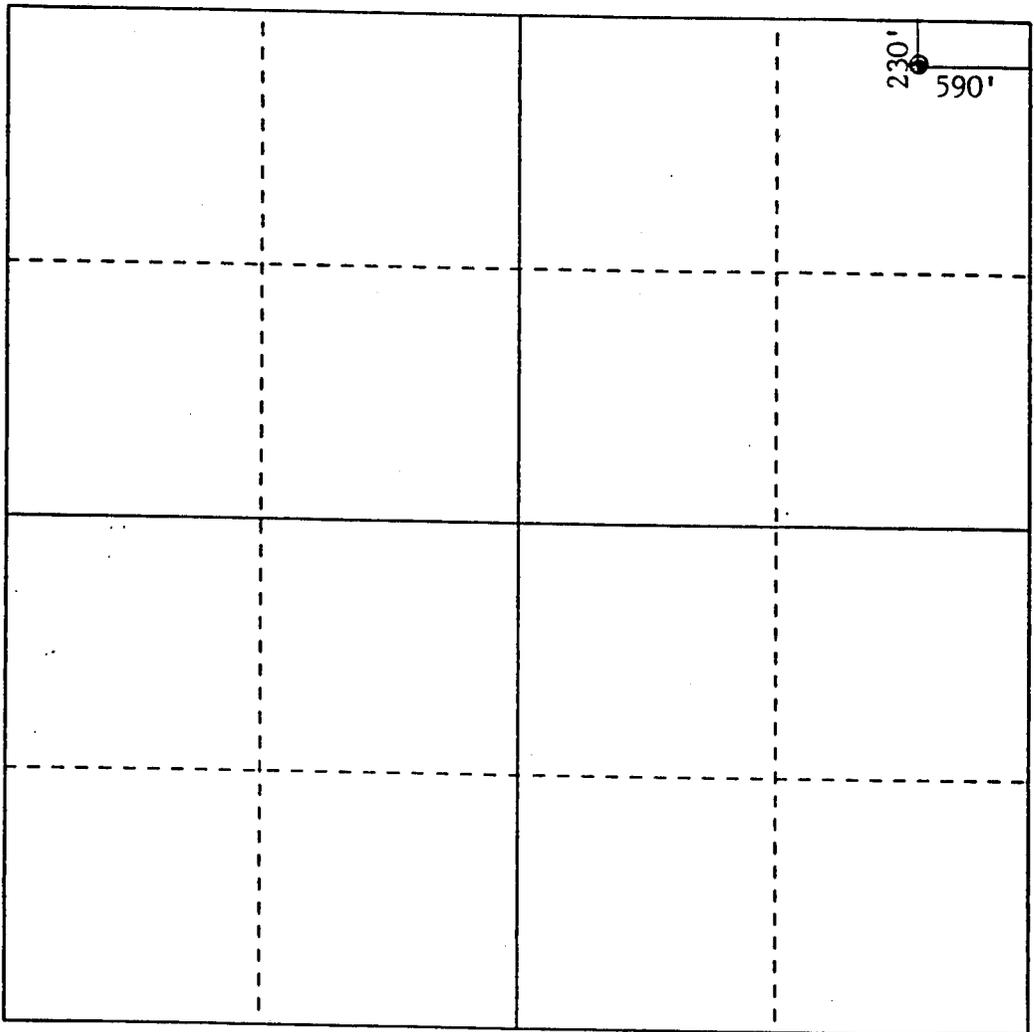
COMPANY UNOCAL

LEASE COYOTE UNIT WELL NO. #1

SEC. 32 T 29 South R 24 East

LOCATION 230 F/NL & 590 F/EL S.L.M.

ELEVATION 6718



SCALE - 1 INCH EQUALS 1000 FEET

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



Cecil B. Tullis
Cecil B. Tullis
Registered Land Surveyor.

SURVEYED March 15 19 94

Union Oil Company of California
Coyote Unit No. 1
Lease U-45822 (BHL)
Surface Location: NENE Section 32 T29S, R24E
Bottomhole Location: NESE Section 29 T29S, R24E
San Juan County, Utah

CONDITIONS OF APPROVAL

Approval of this application 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.

Be advised that Union Oil Company of California is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by CA 0048 (Principal - Union Oil Company of California) via surety consent as provided for in 43 CFR § 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR § 3106.7-2 continuing responsibility are met.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application must be filed for approval.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to field representatives to insure compliance.

A. DRILLING PROGRAM

1. Daily drilling and completion progress reports shall be submitted to the District Office on a weekly basis.
2. The 5000 psi (5M) BOP system proposed to be used below the intermediate shoe is acceptable. The BOP system will be designed and tested in accordance with API RP 53 and Onshore Oil and Gas Order No. 2. Blowout preventer controls will be installed prior to drilling the surface casing shoe and will remain in use until the well is completed or abandoned.
3. A valve shall be installed underneath the gauge on the choke manifold so the gauge can be replaced, if necessary, without compromising the system. This feature is not represented on the choke manifold diagram.
4. Centralizers shall be placed, at a minimum, on the bottom three joints of each casing string.
5. If water and/or lost circulation zones are encountered between the surface casing shoe and the anticipated top of cement behind the production (7-5/8") casing, the cement volume for the production casing will have to be increased to protect those zones.
6. The production liner shall lap a minimum of 100 feet into the production casing. The casing shall be tested to insure that the liner/casing lap is effectively sealed.
7. If a gas meter run is constructed, it will be located on lease, within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and will be buried downstream of the meter until it leaves the pad. Meter runs will be housed and/or fenced. The gas meter shall be calibrated prior to first sales and shall be calibrated quarterly thereafter. All gas production and measurement shall comply with the provisions of 43 CFR § 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3. Any deviation from this will require specific approval.
8. A directional survey shall be run and shall be submitted to the BLM with the completion report.
9. Where the borehole intersects the top of the Cane Creek zone shall be at least 460 feet from the lease line. If it is less than that, an exception location must be obtained from the State of Utah, Division of Oil, Gas and Mining.
10. Invert mud shall be stored on location, ready for immediate use.

B. SURFACE USE PLAN

1. Prior to initiating construction at the well site, a barbed wire fence will be constructed along the eastern end of the well site to prevent access to the cultural site 42Sa22519 as identified in cultural resources report U-94-CH-119sb.
2. The use of water from Coyote Wash has been identified as a water depletion to the Colorado River and potentially affecting the T&E fish species. The impacts from the depletion will be offset with the one-time contribution of \$12.34 per acre-foot of water to:

National Fish and Wildlife Foundation
The Bender Building
1120 Connecticut Avenue, N.W.
Washington, D.C. 20036

Payments should be accompanied by a cover letter that identifies the project and biological opinion that is requiring the payment, the amount of the payment enclosed, check number, the balance of payment still due, the name and address of the payor, the name and address of the BLM office authorizing the project, and the address of the FWS office issuing the biological opinion. This information will be used by the Foundation to notify the payor, the BLM, and FWS when payment has been received.

3. Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed must be approved by the Area Manager prior to initiating the new surface disturbance.
4. No pipeline construction on public lands is authorized with this permit. Pipeline construction will require additional BLM review of the route and construction specifications. Additional cultural resource inventories may be required prior to authorizing pipeline construction.

C. REQUIRED APPROVALS, REPORTS AND NOTIFICATION

Required verbal notifications are summarized in Table 1, attached.

Building Location- Contact the Resource Area, Natural Resource Protection Specialist at least 48 hours prior to commencing construction of location.

Spud- The spud date will be reported to the Resource Area Office 24 hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within 24 hours after spudding, regardless of whether spud was made with a dry hole digger or big rig.

Daily Drilling Reports- Daily drilling reports shall detail the progress and status of the well and shall be submitted to the District Office on a weekly basis.

Monthly Reports of Operations- In accordance with Onshore Oil and Gas Order No. 1, this well shall be reported on Minerals Management Service (MMS) Form 3160, "Monthly Report of Operations," starting the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with MMS.

Sundry Notices- There will be no deviation from the proposed drilling and/or workover program without prior approval from the District Office. "Sundry Notices and Reports on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR § 3162.3-2. Safe drilling and operating practices must be observed.

Drilling Suspensions- Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the District Office. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

Undesirable Events- Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the Resource Area in accordance with requirements of NTL-3A.

Cultural Resources- If cultural resources are discovered during construction, work that might disturb the resources is to stop, and the Area Manager is to be notified.

First Production- Should the well be successfully completed for production, the District Office will be notified when the well is placed in producing status. Such notification may be made by phone, but must be followed by a sundry notice or letter not later than five (5) business days following the date on which the well is placed into production.

A first production conference will be scheduled as soon as the productivity of the well is apparent. This conference should be coordinated through the Resource Area Office. The Resource Area Office shall be notified prior to the first sale.

Well Completion Report- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR § 3162.4-1. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. When requested, samples (cuttings and/or samples) will be submitted to the District Office.

Venting/Flaring of Gas- Gas produced from this well may not be vented/flared beyond an initial, authorized test period of 30 days or 50 MMcf, whichever first occurs, without the prior, written approval of the District Office. Should gas be vented or flared without approval beyond the authorized test period, the well may be ordered shut-in until the gas can be captured or approval to continue the venting/flaring as uneconomic is granted. In such case, compensation to the lessor shall be required for that portion of the gas that is vented/flared without approval and which is determined to have been avoidably lost.

Produced Water- Produced waste water may be confined to an unlined pit for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, along with a water analysis, if required, will be submitted to the District Office for approval pursuant to Onshore Oil and Gas Order No. 7.

Off-Lease Measurement, Storage, Commingling- Prior approval must be obtained from the District Office for off-lease measurement, off-lease storage and/or commingling (either down-hole or at the surface).

Plugging and Abandonment- If the well is completed as a dry hole, plugging instructions must be obtained from the District Office prior to initiating plugging operations.

A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the Assistant District Manager, Minerals Division within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR § 3162.6. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

TABLE 1

NOTIFICATIONS

Notify Rich McClure of the Grand Resource Area in Moab, Utah, at (801) 259-8193 for the following:

2 days prior to commencement of dirt work, construction and reclamation;

Upon converting to invert mud system, if necessary.

Notify Jeff Brown of the San Juan Resource Area in Monticello, Utah at (801) 587-2141 for the following:

1 day prior to spudding;

50 feet prior to reaching surface casing depth;

3 hours prior to testing BOPE;

Upon reaching the kick-off point.

If the above cannot be reached, notify the Moab District Office at (801) 259-6111. If unsuccessful, notify the person listed below.

Well abandonment operations require 24 hour advance notice and prior approval. In the case of newly drilled dry holes, verbal approval can be obtained by calling the Moab District Office, Branch of Fluid Minerals at (801) 259-6111. If approval is needed after work hours, you may contact the following:

Eric Jones, Petroleum Engineer Office: (801) 259-6111
Home: (801) 259-2214

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: UNION OIL

WELL NAME: COYOTE # 1

API NO. 43-037-31738

Section 32 Township 29S Range 24E County SAN JUAN

Drilling Contractor _____

Rig # _____

SPUDDED: Date 4/28/94

Time 11:00 AM

How DRY HOLE

Drilling will commence 5/7/94

Reported by JIM BENSON

Telephone # 1-307-234-1563

Date 4/29/94 SIGNED MKH

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. State - ML 45822
2. NAME OF OPERATOR UNION OIL COMPANY OF CALIFORNIA		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P.O. Box 2620, Casper, WY 82602		7. UNIT AGREEMENT NAME Coyote Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 230' FNL & 590' FEL Sec. 32 (Surface Location) AT PROPOSED PROD. ZONE 1856' FSL & 983' FEL Sec. 29 (End of Horizontal Section)		8. FARM OR LEASE NAME
14. PERMIT NO. 43-037-31738	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6718' GR	9. WELL NO. 1
		10. FIELD AND POOL, OR WILDCAT Coyote
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 32, T29S-R24E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Reporting spud <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Prepared Drilling Pad. MIRU Bill Jr's Rat Hole Drilling Rig. Spudded 24" hole @ 11:00 a.m. 4/28/94. Drilled 24" hole to 60'. Ran and landed 16" conductor pipe @ 60'. Prep to cement and set seller in a.m. Finishing reserve pit - INC.

RECEIVED
MAY 3 1994
DIVISION OF
OIL GAS & MINING

Verbally notified Mike Hebertson with State of Utah of spud.

18. I hereby certify that the foregoing is true and correct

SIGNED Jim Benson TITLE Drilling Superintendent DATE 4/29/94
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

STATE OF WYOMING
 DIVISION OF OIL, GAS AND MINING
 ENTITY ACTION FORM - FORM 6

OPERATOR UNION OIL OF CALIFORNIA
 ADDRESS P.O. Box 2620
Casper, WY 82602
307/234-1563

N1030

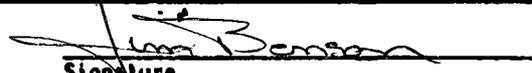
RECEIVED
 MAY 19 1994

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					DIV. OF OIL, GAS & MINING	
					QQ	SC	TP	RG	COUNTY	DATE	DATE
A	99999	11637	43-037-31738	COYOTE UNIT NO. 1	NE NE	32	29	24	San Juan	4/28/94	4/28/94
WELL 1 COMMENTS: Coyote Unit No. 1 is a new well (and the first well) in the newly established Coyote Unit.											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

- ACTION CODES** (See instructions on back of form)
- A - Establish new entity for new well (single well only)
 - D - Add new well to existing entity (group or unit well)
 - C - Re-assign well from one existing entity to another existing entity
 - D - Re-assign well from one existing entity to a new entity
 - E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)


 Signature
 Drilling Superintendent 5/16/94
 Title Date
 Phone No. (307) 234-1563 ext 116

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

RECEIVED
WYOMING DISTRICT
94 JUN -6 AM
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

U.S. Lease Designation and Serial No.
State - ML 45822
& Indian, Allottee or Tribe Name
N/A

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Union Oil Company of California

3. Address and Telephone No.

P.O. Box 2620, Casper, WY 82602, 307-234-1563

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec. 32, T29S, R24E
230' FNL & 590' FEL Sec. 32 (Surface Location)
1856' FSL & 983' FEL Sec. 29 (End of Horizontal)

7. If Unit or CA, Agreement Designation

Coyote Unit

8. Well Name and No.

Coyote Unit No. 1

9. API Well No.

43-037-31738

10. Field and Pool, or Exploratory Area

Undesignated

11. County or Parish, State

San Juan Co., Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Supplementary Well History</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

5/27/94 THRU 6/5/94

TIH CHANGING BHA WASHED 15' TO BTM W/2' OF FILL. LOST 300 PSI CIRC PRESS. TOH. FOUND A 3" WASHED OUT HORIZONTAL CRACK IN THE BOX AREA OF THE 3RD 8" DC FROM THE TOP. ALSO FOUND A 7" CRACK, 1-1/2' BELOW BOX IN THE 1ST 8" DC FROM THE BTM. REPLACED ALL 7" DC'S. TIH. DRILLED TO 3,318' LOST 250 PSI CIRC PRESS. POOH. FOUND A CRACK/SPLIT IN #2 - 7" DC FROM TOP. L/D BAD COLLAR. FIN POOH. TIH. WASHED 40' TO BTM. DRILLED TO 3,645' LOST 400 PSI CIRC PRESS. POOH TO TOP OF BHA. & FOUND WASHOUT IN CONNECTION BETWEEN 1ST & 2ND 8" DC ABOVE MONEL. CHECKING MAKE-UP TORQUE ON EVERY CONNECTION. FIN TIH. DRILD FROM 3,645' TO 3,904'. TOH. CHANGED BIT & STARTED TIH CHECKING BHA. (BAD FACES ON BOX & PIN.) DRILD TO 4,015' & BIT TORQUED. STARTED POOH. SURVEYS 3-3/4° N25°E @ 2,703', 3-3/4° S80°E @ 3,172', 3-3/4° S58°W @ 3,543', 3-3/4° S25°W @ 3,827'

RECEIVED
OCT 3 1994
BUREAU OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Jim Benson
Jim Benson

Title Drilling Superintendent

Date June 2, 1994

(This space for Federal or State office use)

Branch of Fluid Minerals

JUN - 8 1994

Approved by
Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

COYOTE UNIT # 1

COMPLETION PROCEDURE

This procedure will commence once the 6-1/2" hole has been drilled to TD and the bit has been removed from the well.

Completion Tubing: 2-7/8" 6.5 ppf EUE L-80 with Threadmasters Convertible Coupling.

Thread Sealant: Tubing will be doped using Threadmasters Seallube on the mill and pin ends.
(Note: use SEALLUBE LTF4444 on field end)

Completion Equipment: Baker Oil Tools
(If well is unsuccessful, Baker will take back their equipment, but will invoice for special Threadmasters threading charges.)

Wellhead Supplied by: UNOCAL

Packer Fluid: Fresh water containing bactericide and corrosion inhibitor.

Abbreviated Procedure:

1. RIH with 7-5/8" casing scraper to end of casing. POH.
2. Run 2-7/8" predrilled liner, 2-7/8" blank tubing, 2.25" Model L sliding sleeve, 2.313" "F" nipple (with Model FSG-21 blanking plug installed) and 7-5/8" Model DB permanent packer (with 20' of seal bore extension) on drill pipe. Set packer at 55 degree or less section of the hole. POH laying down drill pipe.
3. RIH with snap latch and seals on 2-7/8" tubing (With Threadmasters Connection). Locate top of packer, circulate hole to fresh water packer fluid. Space out and land tubing.
4. Nipple up well head. Recover blanking plug from "F" nipple with slick line.
5. RIH with 1-1/4" Coil Tubing and circulate mud out of hole with diesel or produced crude containing EGMBE.
6. Test well.

Detailed Procedure:

1. RIH with casing scraper for 7-5/8" 33.7 ppf casing on 4" drill pipe. (Baker Scraper is Size 14C Model "C-3" Roto-Vert Casing Scraper) Slowly rotate and reciprocate the scraper while running

June 1, 1994

from +/- KOP to near the casing shoe. Pump at maximum rate to remove any cuttings or debris. Do not go out the end of the casing. Remove as much solids from the mud as possible.

Pump, and rotate while pulling out of the hole from the shoe to the KOP in the well.

2. RIH with the following completion equipment:

2-7/8" 8rd Box Cement Filled Guide Shoe (Threadlock to pup)

6' - 2-7/8" 6.5# 8 rd L-80 tubing pup with centralizer and stop ring. Install centralizer in middle of pup joint.

+/- 500' of 2-7/8" 6.5# 8rd L-80 (12 - 3/8" Holes/foot) Predrilled tubing (Standard API Thread) (Holes should be drilled in tubing as per attached specs.)

2-7/8" 6.5# L-80 Blank Tubing (Standard API Thread) (Run enough tubing to place packer in the 55 degrees or less section of the casing

2-7/8" Baker Model "L" sliding sleeve with 2.25" Model "F" profile. (Threaded with Threadmasters KC-85 Box and standard EUE pin.) (Sleeve should be in the closed position.)

1 joint (+/- 30') of 2-7/8" 6.5# L-80 Tubing (Threaded with Threadmasters Box and Pin.)

2.312" Baker Model "F" non-ported nipple (Threaded with Threadmasters KC-85 Box and Pin (with Baker Model "FSG-21" Bypass blanking plug installed)

1 joint (or 10' pup joint with Threadmasters Connection) of 2-7/8" tubing with Threadmasters KC-85 coupling (If later required to cut or perforate above plug.)

Baker Seal Bore Extension Crossover to 2-7/8" 6.5# tubing (with Threadmasters KC-85 pin down.)

2 - Baker 10' long Size 80-32 Seal bore extensions (Attach with Baker Concentric Coupling)

Baker Model "DB" Retainer Production Permanent Packer Size 88-32 with 70-Hard Packing Element and Threaded Guide for Seal Bore Extension.

Baker Size 20# Model "J" Hydraulic setting tool with wireline adapter kit.

4" drill pipe

RIH with the preceding assembly on the 4" drill pipe. Run at a slow rate of speed. When landing tubing joints into slips, avoid sudden stops with rig brakes. When picking elevators up to lower tubing, raise slowly.

Do not rotate tubing or downhole assembly. (Right hand rotation will release the running/setting tool from the packer.) If equipment will not go in hole after a few attempts. POH and clean out with bit prior to rerunning completion equipment.

Place equipment such that the perforated tubing is near or across any fractures encountered while drilling. The Model "F" Nipple and Sliding Sleeve should be at 55 degrees or less deviation section of the 7-5/8" casing. (To allow access with slickline.)

Once on depth. Land the drill pipe in the rig slips. Drop a 1-7/16" Brass Setting Ball into the workstring and allow the ball to gravitate to the setting tool. (Note: If necessary, the ball may be pumped on seat at a very slow rate.) Make up pump lines to drill pipe. Start pumping and observe that ball is on seat. Slowly raise pressure at Baker direction. Apply tension to the drill pipe to complete the setting process. Slowly pick up on tubing and release the running/setting tool from the packer.

Pressure test 7-5/8" casing and packer to 2,000 PSI.

3. POH laying down the 4" drill pipe and packer setting tool.

4. RIH with the following:

Baker Locator Tubing Seal Assembly with "S-22" Snap latch Seal sub.

15' Spacer Tube

4-Baker "GBH -22" Bonded Seal Units

1/2 Mule Shoe Bottom sub

2-7/8" 6.5# L-80 tubing with Threadmasters KC-85 couplings.
(Drift tubing with 2.25" drift as RIH.)

(Note: use SEALLUBE LTF4444 on field end)

Torque the couplings to a minimum of 1,270 ft-lbs and maximum of 3,213 ft-lbs of **delta** torque. Delta torque is that torque after the pin has made contact with the insert ring. For example if it

took 800 ft-lbs to make up the coupling then you would add 1,270 ft-lbs (for a total minimum of 2,070 ft-lbs or a maximum of 4,013 ft lbs.

RIH to the top of the packer.

5. Displace the oil base mud out of the hole with a diesel spacer and fresh water packer fluid containing a bactericide and corrosion inhibitor. By reverse circulating down the annulus and up the tubing. (Note: Do not exceed 2 BPM.)

6. Sting into the packer and set at least 5,000 # on the packer. (Mark the pipe for space out measurements.) Pressure test the tubing to 3,000 psi with packer fluid. To confirm proper placement of seals, apply +/- 10,000 lbs of overpull on tubing to release "S-22" Snap-Latch Seal Assembly. POH with two joints of tubing. Install pup joints to ensure proper space out. Attach hanger to landing joint. Sting back into packer and land hanger. Pressure test the tubing and casing annulus to 3,000 psi.

7. Nipple up the wellhead. Install wellhead plug. Pressure test wellhead to 3,000 psi.

8. Release the drilling rig.

9. Rig up slickline unit. Remove wellhead plug and RIH with OTIS overshot type pulling tool to top of plug. Latch onto equalizing prong of Baker "FSG -21". Jar up and shear prong loose from plug. POH with equalizing prong. RIH with same pulling tool and Baker "B" Probe. Latch onto "FSG-21" plug. Shear up and release plug from "F" nipple. POH with plug.

(Note: may require a bailing run to remove debris from top of plugs.)

10. RIH with +/- 1-1/4" Open Ended Coil Tubing to "F" nipple and displace packer fluid out of hole with diesel or produced crude. Continue RIH slowly while circulating out the drilling mud with diesel or produced crude containing 2% Halliburton Musol A (or equivalent EGMBE solvent).

11. POH with coil tubing and place well on production.

MRChambers/

Mobil Contacts:

M.R. (Mike) Chambers Work (214) - 851 - 8195 Home: (817) - 685 - 7963

P.J. (Phil) Bednarz: Work (713) - 775 - 2279 Fax: (713) - 775 - 4118

June 1, 1994

COYOTE UNIT # 1

COMPLETION PROCEDURE

Ampolex Contact:

Mike Power Work: (303) - 595 - 9000 Home: (303) - 220 - 1126

Baker Contact:

Farmington: David Dolyniuk (505) 325-0216 Fax (505) 325 - 0218

Houston: Bill Green (713) 233- 6800 Home (713) 292-7278

Threadmasters Contact:

Midland: Brian Nelson (915) 570 - 0355

94 JUN 6 AM 8:17

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.
State - ML 45822

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
Coyote Unit

8. Well Name and No.
Coyote Unit No. 1

9. API Well No.
43-037-31738

10. Field and Pool, or Exploratory Area
Undesignated

11. County or Parish, State
San Juan Co., Utah

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Union Oil Company of California

3. Address and Telephone No.
P.O. Box 2620, Casper, WY 82602, 307-234-1563

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec. 32, T29S, R24E
230' FNL & 590' FEL Sec. 32 (Surface Location)
1856' FSL & 983" FEL Sec. 29 (End of Horizontal)

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Supplementary Well History</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

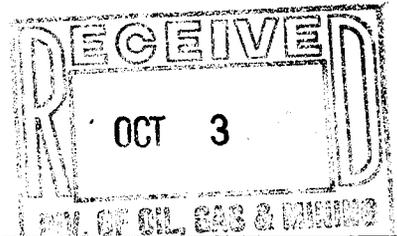
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

5/20/94 THRU 5/26/94

FIN N/U BOP & MANIFOLD. PRESSURE TESTED BOP'S TO 250 PSI LOW & 5000 PSI HIGH. TESTED HYDRIL TO 250 PSI LOW & 3500 PSI HIGH HOOKED UP GAS BUSTER & FLARE LINES. FIN INSP BHA. TIH. DRLD CMT FROM 1,163'-1,177'. DRLD FC, CMT & 10' FORMATION TO 1,235'. CIRC/COND MUD. TESTED SHOE TO LEAK-OFF TO 430 PSI OVER 8.5 PPG FOR 15.2 PPG EMW. DRLD TO 1,605' STARTED POOH W/BIT @ 2,207'. TIH W/NEW BIT & BHA. DRLD TO 2,368'. LOST 250 PSI, INSPECTING BHA. LAY DOWN 1-8" DC. TIH WASHED & REAMED TO BTM. DRLD TO 2,610'. TOH. SURVEYS - 1-1/2° @ 1,431', 1-3/4° @ 1,858', 2-1/2° @ 2,017', 2-3/4° @ 2,550'.

NOTE: ALL TESTING WITNESSED BY JEFF BROWN OF BLM.



14. I hereby certify that the foregoing is true and correct

Signed Jim Benson

Title Drilling Superintendent

Date June 2, 1994

(This space for Federal or State office use)

Branch of Fluid Mining
Moab District

Approved by _____
Conditions of approval, if any:

Title _____

Date JUN - 2 1994

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

RECEIVED
MOAB DISTRICT OFFICE

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

5. Lease Designation and Serial No.
State - ML 45822

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

Coyote Unit

8. Well Name and No.

Coyote Unit No. 1

9. API Well No.

43-037-31738

10. Field and Pool, or Exploratory Area

Undesignated

11. County or Parish, State

San Juan Co., Utah

SUBMIT IN TRIPLICATE

RECEIVED
OCT 3
DIV. OF OIL, GAS & MINING

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Union Oil Company of California

3. Address and Telephone No.

P.O. Box 2620, Casper, WY 82602, 307-234-1563

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**Sec. 32, T29S, R24E
230' FNL & 590' FEL Sec. 32 (Surface Location)
1856' FSL & 983' FEL Sec. 29 (End of Horizontal)**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
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	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Supplementary Well History
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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5/14/94 THRU 5/19/94

MIRU Forwest Rig #6. Spudded 14-3/4" hole @ 10:00 a.m.. Drilled FROM 60' TO 123'.

DRILD & SURVEYED FROM 123'-1,225'. SURVEYS - 1-1/2° @ 168', 3/4° 670', 3/4° @ 1,210'. TIGHT CONNECTIONS @ 441', 471' AND 652'. LOST PARTIAL CIRCULATION FROM 1,000'-1,080'. TD 14-3/4" HOLE @ 1,225'. CIRC. WELL 30 MIN. STRAPPED OUT OF HOLE W/MINIMAL DRAG. POOH & L/D 9" DC'S 6PT REAMERS & IB STAB. RAN & CMTD 28 JTS & 1 PC OF 11-3/4" 47# k55 8RDD ST&C CASG @ 1,218'. CMTED W/525 SX 65/35 POZMIX W/6% GEL + 1/4 PPS CELLOFLAKE. (WT. 12.6 PPG, YIELD 1.84 CU.FT.) FOLLOWED BY 125 SX CLASS G W/2% CaCl₂ (WT 15.8 PPG, YIELD 1.15 CU.FT.). BUMPED PLUG, FLOAT HELD. CIRC'ED 20 SKS CMT TO SURFACE. CIP & JC @ 12:25 A.M. 5/18/94. (CMT JOB WITNESSED BY JEFF BROWN - BLM). W.O.C. 8 HRS. CUT OFF 11-3/4" CSG. WELDED ON AND TESTED 11-3/4" X 13-5/8" 5000# CSG HEAD. N.U. BOP'S AND MANIFOLD - INCOMPLETE.

14. I hereby certify that the foregoing is true and correct

Signed *Tim Benson*

Title **Drilling Superintendent**

Date **June 2, 1994**

(This space for Federal or State office use)

**Branch of Fluid Minerals
Moab District**

Date **JUN - 8 1994**

Approved by _____
Conditions of approval, if any:

Title

Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

RECEIVED
JUN 1994
Received
B L M
Moab District

5. Lease Designation and Serial No.
State - ML 45822

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
Coyote Unit

8. Well Name and No.
Coyote Unit No. 1

9. API Well No.
43-037-31738

10. Field and Pool, or Exploratory Area
Undesignated

11. County or Parish, State
San Juan Co., Utah

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Union Oil Company of California

3. Address and Telephone No.
P.O. Box 2620, Casper, WY 82602, 307-234-1563

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**Sec. 32, T29S, R24E
230' FNL & 590' FEL Sec. 32 (Surface Location
1856' FSL & 983" FEL Sec. 29 (End of Horizontal)**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Supplementary Well History
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Please: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

6/6/94 THRU 6/13/94

DRLD TO 4450'. CIRC/COND HOLE. POOH W/BIT. DUMPED & CLEANED PITS. FILLED PITS WITH SATURATED SALT MUD. TRIP CHECKED BHA. L/D 6-3/4" DC'S, 2 JTS HWDP, 8" PONY DC & 4-1/2" IFS SUB. HAD SHOW #1 IN UPPER ISMAY DOLOMITE FROM 4,328' - 330' & SHOW #2 IN LOWER ISMAY DOLOMITE FROM 4,386' - 4,406'. FIN L/D BAD BHA. TIH TAGGED TIGHT SPOT @ 2,890'. WASHED & RAMED FROM 2,890' - 2,900'. DISPLACED HOLE W/SALT SAT MUD. FIN TIH TO 4,397'. WASHED & REAMED FROM 4,397'-4,450'. DRLD TO 4,844'. RAN DIRECTIONAL SURVEY - 3.5 DEG @ S 49 W. DRLD TO 5,150'. HOLE TOOK 15 BBLs FROM 5,065'-5,113'. PUMPED 30 BBLs LCM PILL. DRLD TO 5,621'. POOH W/NO DRAG. MAGNAFLUX & TRIP CHECKED BHA. TIH W/NEW BIT ON SAME BHA. WASHED 36' TO BTM W/NO FILL. DRLD TO 6,585'. POOH FOR BIT. INSPECTED BHA (NO FAILURES). TIH. WASHED 20' TO BTM W/NO FILL DRLD TO 6,772'. SURVEYS - 3-1/2° S49°W @ 4,776', 3-3/4° N11°W @ 5,349', 3-3/4° N65°W @ 6,258'.

14. I hereby certify that the foregoing is true and correct.

Signed Karen Burnett Title **Drilling Secretary** Date **June 13, 1994**

(This space for Federal or State office use)

Approved by _____ Title **Branch of Fluid Minerals** Date **JUN 21 1994**

Conditions of approval, if any: **Moab District**

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State - ML 45822

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If Unit or CA, Agreement Designation

Coyote Unit

Well Name and No.

Coyote Unit No. 1

API Well No.

43-037-31738

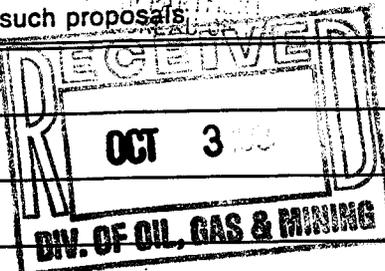
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Undesignated

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	<input checked="" type="checkbox"/> Other <u>Supplementary Well History</u>
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6/14/94 THRU 6/20/94

DRILD TO 7,606'. CIRC SWEEP & SLUGGED PIPE. DROPPED MULTISHOT SURVEY TOOL & STRAPPED OUT OF HOLE TO TOP OF BHA. RET MS TOOL. STOOD BACK HWDP. L/D DC'S, IBS'S & BIT. REMOVED WEAR BUSHING. INSTALLED TEST PLUG. PRESSURE TESTED BOP'S CHOKE MANIFOLD, AND RELATED VALVES TO 250 PSI LOW, 5000 PSI HIGH PER 10 MIN. P.U. & RABBITED 5" HWDP 23 JTS. TIH & PUMP THRU TO REMOVE SCALE. POH W/5" HWDP P.U. 9-7/8" TOOTH BIT W/ 6-3/4" FAB HOUSING MOTOR ASSY W/2° BENT SETTING (±10 TO 14° BUILD RATE) MWD, FLEX NMDC CN 36 JTS OF 5" SPIRAL HWDP. TESTED MOTOR & MWD. TIH. ORIENTED TOOL FACE. DRILD W/MM TO 7,990'. CIRC/COND MUD. POOH FOR BIT. ROTATED & SLID FROM 7,990'-8,105'. DIRECTIONALLY DRILD TO 8,335' ALTERNATELY ROTATING & SLIDING IN 15' INTERVALS. CIRC BTMS-UP. TOH. L.D. MWD & WTR. P.U. JUNK BOOT. TIH W/BIT #RR15. TOH. W/BOOT BASKET. RECOVERED JUNK. TIH W/STEERABLE BHA & BIT. WASHED & REAMED FROM 8,320'-8,335'. DRILD TO 8,350' B/U FOR CORRELATIVE INFO.

SURVEYS: SEE ATTACHED FOR SURVEYS

14. I hereby certify that the foregoing is true and correct

Signed

Karen Burnell
Karen Burnell

Title

Drilling Secretary

Date

June 21, 1994

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Branch of Fluid Minerals
Moab District

Date

JUN 27 1994

Survey Program

Date: 6/19/1994 Time: 3:38:29

PAGE: 1

Filename: "CU544212.SRV" Description: "COYOTE UNIT WELL #1

Target Coordinates: 2098.4 N 1468.0 W Target TVD: 8223.000

Using Minimum Curvature Method.

S	MEASURED	DRIFT	DRIFT	COURSE	TRUE	VERTICAL	VERTICAL	RECTANGULAR	DOGLEG
#	DEPTH	ANGLE	DIRECTION	LENGTH	DEPTH	SECTION	--- COORDINATES	-SEVERITY	
	(feet)	(deg)	(deg)	(feet)	(feet)	(feet)	(feet)	DG/100FT	
20	8154.9	53.13	351.900	31.3	8040.9	204.6	523.9 N 392.0 E	4.95	
21	8185.6	55.80	351.600	30.7	8058.8	226.9	548.7 N 388.4 E	8.71	
22	8216.2	57.50	351.900	30.5	8075.5	249.7	573.9 N 384.8 E	5.63	
23	8246.0	59.40	350.900	29.8	8091.2	272.5	599.0 N 381.0 E	6.98	
24	8275.9	62.00	349.600	29.9	8105.8	296.1	624.7 N 376.6 E	9.49	

--- Final Closure Direction: 31.079
 --- Final Closure Distance: 729.449 feet

SPERRY-SUN DRILLING SERVICES - PLUTO PROGRAMME
 F10 TO ABORT SURVEY DATA
 (data relative to the platform reference)

PLATFORM ID: COYOTE #1

CURRENT WELL: UNIT#1

(Vertical Section Relative to the WellHead Location)

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
7695.92	12.50	32.20	7677.64	266.49 N	368.08 E	7.17	0.1
7727.02	16.20	29.90	7707.77	273.10 N	372.04 E	10.32	12.0
7757.54	20.00	27.80	7736.77	281.41 N	376.60 E	14.51	12.6
7788.45	23.70	25.30	7765.46	291.71 N	381.72 E	20.01	12.3
7818.99	27.50	22.30	7793.00	303.78 N	387.02 E	26.86	13.1
7849.70	31.10	17.80	7819.77	317.90 N	392.14 E	35.49	13.7
7879.80	34.00	13.40	7845.15	333.50 N	396.47 E	45.78	12.4
7910.13	35.80	8.80	7870.03	350.52 N	399.79 E	57.82	10.5
7940.49	38.00	4.80	7894.31	368.61 N	401.93 E	71.41	10.7
7970.68	41.30	1.90	7917.55	387.83 N	403.04 E	86.52	12.5
8000.96	43.80	359.00	7939.86	408.30 N	403.19 E	103.20	10.4
8031.68	46.10	356.30	7961.60	429.98 N	402.29 E	121.48	9.7

Press any key to continue

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Coyote Unit

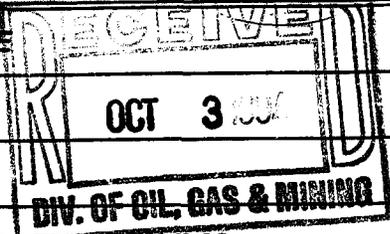
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6/21/94 THRU 6/27/94

DRILD & SURVEYED TO 8,762' MD/8,227' TVD. FOUND TOP OF CANE CREEK @ 8,218' TVD. CIRC/COND HOLE. STARTED POOH & L/D BHA. PREP TO LOG. FIN L/D MOTOR, MWD, BHA. SLIP & CUT DRILLING LINE. TIH W/BIT, HWDP ON DP TO 8,762'. CIRC 2 HRS. TOH (NO DRAG). FUNCTION TEST BOP'S. P.U. & TIH W/FMS TOOL ON HWDP & DP TO 7,758'. INSTALLED WL SIDE ENTRY SUB IN DRILL PIPE. LATCHED WET-CONNECT INTO LOGGING TOOL. TIH W/TOOL & TAGGED BOTTOM @ 8,762', STRAP DEPTH. RAN FMS LOG FROM 8,762'-8,690'. RAN GR FROM 7,780'-8,730' STRAP DEPTH. TOH TO 7,758'. POOH W/WL & REMOVED SIDE ENTRY SUB. TOH. FIN TOH & LAYED DOWN LOGGING TOOL. FUNCTION TESTED BOP'S. RAN LD-FMS LOG FROM 8,300'-1,200'. DENSITY NUETRON FROM 6,660'-4,100', (W/LATERAL SONIC), GR FROM 8,300'-SURFACE. RIGGED DOWN LOGGERS. RIH W/ 9-7/8" BIT, HWDP ON DP TO 8,762'. CIRC/CONDITION MUD 4 HRS. FINISH TOH. PULLED WEAR BUSHING & BROKE KELLY CONNECTION.

CONTINUED ON NEXT PAGE.

14. I hereby certify that the foregoing is true and correct

Signed

Jim Benson
JIM BENSON

(This space for Federal or State office use)

Approved by
Conditions of approval, if any:

Drilling Superintendent

Title

June 27, 1994

Date

Branch of Fluid Minerals
Moab District

Title

Date

JUL - 1 1994

PAGE TWO

6/21 THRU 6/27/94 (CONT'D)

RAN & CEMENTED 206 JTS & 1 PC (8,734.50') 7-5/8" 39#, 33.7# & 29# S95 & N80 CSG @ 8,762.50' W/TOP OF FLOAT COLLAR @ 8,681', TOP OF DV TOOL @ 7,001'. CIRC CSG. PROCEEDED CMT W/10 BBLs FW CMTD 1ST STAGE W/50 SX POZ SCAVENGER, FOLLOWED BY 150 SX HALCO LIGHT CMT W/2% D-AIR-1, 1/4# SX FLOCELE, .5% HALAD 413, 18% SALT, WT 13.1, YLD 1.78, TAILED IN W/250 SX HALCO PREMIUM CMT & 2% D-AIR-1, 1/4# SX FLOCELE, 1% HALAD 413, 18% SALT, WT 16.33, YLD 1.17. HAD GOOD RETURNS THROUGHOUT. MAX PRESSURE 400 PSI. BUMPED PLUG W/1000 PSI OVER. FLOATS HELD. JC & CIP @ 11:30 PM, 11/24/94. DROPPED BOMB AND OPENED DV TOOL W/1600 PSI PRESSURE. CIRC APPROX 30 SX CMT TO SURFACE ON BOTTOM UP. WOC. 1ST STAGE INC. CMTD 2ND STAGE W/10 BBLs FW AHEAD FOLLOWED BY 50 SX POZ SCAVENGER. PUMPED 600 SXS HALCO LITE CMT 2% D-AIR-1, 1/4# SX FLOCELE, .5% HALAD 413, 18% SALT, WT 13.1, YLD 1.78, TAILED W/100 SXS PREMIUM W/2% D-AIR-1, 1/4# SX FLOCELE, 1% HALAD 413, 18% SALT, WT 16.3, YLD 1.17. HAD GOOD RETURNS. MAX PRESSURE 580 PSI. DISPLACED W/334 BBLs SALT MUD JC & CIP # 7:53 AM, 4/25/94. WOC 8 HRS. PICKED UP BOP STACK SET 7-5/8" CSG SLIPS W/245 K SET DOWN WT. CUTOFF & DRESSED HEAD TO 3500 PSI PER 15 MIN. RIGGED UP LAY DOWN MACHINE. LAID DOWN 5" HWDP PER 4 HRS WHILE WAITING ON REPLACEMENT 11" 10K x 13-5/8" 10K. N/U BOP'S, CHANGE PIPE RAMS TO 4". PRESSURE TEST 2 SETS OF PIPE RAMS, BLIND RAMS, CHOKE MANIFOLD, AND ALL RELATED FLOOR VALVES AND EQ. TO 5000 PSI/10 MIN. TESTED HYDRIL TO 3500 PSI/10 MIN. TESTED 7-5/8" CSG TO 4100 PSI/30 MIN. LAYED DOWN 5" DRILL PIPE & HWDP. STRAP & PU 4" DRILL PIPE.

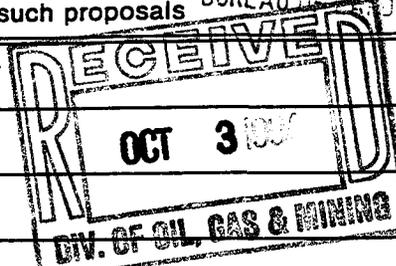
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DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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MOAB DISTRICT OFFICE
94 JUL 11 AM 9:07
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6/28/94 THRU 7/5/94

P.U. & TIH W/6-1/2" BIT & 48 JTS HWDP ON 4" 14# S-135 DP TO TOC @ 6957'. R/D LAYDOWN MACHINE. DRLD DV TOOL @ 7001'. TIH TO FC @ 8680'. DRLD FC & 12' CMT. TESTED FC & DV TOOL TO 2000 PSI. DRLD CMT TO 8769'. PERFORMED FORMATION INTEGRITY TEST TO 17.1 PPG (NO LEAK-OFF). TOH. PICKED UP 6-1/2" BIT, MOTOR, AND BHA. PICKED UP KELLY & TESTED MWD. CLEANED MUD TANKS AND FILLED W/INVERT MUD. TIH TO 8765. DISPL 11.5 PPG SALT MUD WITH 12.1 INVERT MUD. CIRC & COND MUD. SLIDE DRLD TO 8820'. DRLD & SURVEYED TO 8865'. HAD DRLG BREAK FROM 8832' TO 8851'. POOH FOR NEW BIT. TESTED MWD. FIN TIH. DRLD TO 8919'. CIRC B/U. DRLD TO 8928'. CIRC B/U. MADE SHORT TRIP TO CSG SHOE W/NO PROBLEMS. CIRC & COND MUD. STARTED POOH FOR NEW BHA. FIN POOH. L/D MUD MTR. P/U NEW MUD MTR W/1.5° BENT HOUSING & PDC BIT. TIH TO CSG SHOE. RAN L.O.T. TO 15 PPG EMW. FIN TIH TO BTM. WASHED & REAMED 136' TO BTM FOR SAFETY. CIRC & COND MUD. MADE SHORT TRIP TO CSG SHOE. DRLD TO 8950'. (DIRECTION & TARGET CHANGED PER MOBIL & APOLEX.) DRLD W/MUD MTR TO 9190'.

SURVEYS: SEE ATTACHED

14. I hereby certify that the foregoing is true and correct

Signed Jim Benson Title Drilling Superintendent Date July 7, 1994

(This space for Federal or State office use)

Approved by _____ Title Branch of Fluid Minerals Moab District Date JUL 12 1994

Conditions of approval, if any: _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Survey Program

Date: 7/10/1994 Time: 18:32:40

PAGE: 1

Filename: "CU544212.SRV" Description: "COYOTE UNIT WELL #1

Target Coordinates: 2098.4 N 1468.0 W Target TVD: 0.000

Using Minimum Curvature Method.

S #	MEASURED DEPTH (feet)	DRIFT ANGLE (deg)	DRIFT DIRECTION (deg)	COURSE LENGTH (feet)	TRUE VERTICAL DEPTH (feet)	VERTICAL SECTION (feet)	RECTANGULAR COORDINATES (feet)	DOGLEG SEVERITY DG/1000
69	9681.4	97.20	328.800	31.5	8174.9	1632.7	1893.3 N 142.0 W	3.3
70	9712.9	97.10	327.800	31.5	8171.0	1664.0	1919.9 N 158.4 W	3.1
71	9744.1	96.00	328.200	31.2	8167.4	1695.0	1946.2 N 174.9 W	3.7
72	9775.4	96.50	327.900	31.2	8164.0	1726.0	1972.6 N 191.3 W	1.8
73	9807.1	96.70	328.400	31.7	8160.4	1757.4	1999.3 N 207.9 W	1.6
74	9838.7	97.60	328.400	31.7	8156.4	1788.7	2026.1 N 224.3 W	2.8
75	9870.2	97.70	328.300	31.5	8152.3	1819.9	2052.7 N 240.7 W	0.4
76	9901.9	98.10	328.800	31.6	8147.9	1851.2	2079.4 N 257.1 W	2.0
77	9933.5	98.00	328.800	31.6	8143.5	1882.5	2106.2 N 273.3 W	0.3
78	9965.0	96.40	329.100	31.5	8139.5	1913.7	2133.0 N 289.4 W	5.1
Projected 10,002.04		94.9	329.1	37.	8134.98	1950.51	2164.49 N 309.41 W	4.0
--- Final Closure Direction:				352.272				
--- Final Closure Distance:				2152.532 feet				

===== Survey Program

Date: 7/10/1994 Time: 2:14:23

PAGE: 1

Filename: "CU544212.SRV" Description: "COYOTE UNIT WELL #1

Target Coordinates: 2098.4 N 1468.0 W Target TVD: 0.000

Using Minimum Curvature Method.

S #	MEASURED DEPTH (feet)	DRIFT ANGLE (deg)	DRIFT DIRECTION (deg)	COURSE LENGTH (feet)	TRUE VERTICAL DEPTH (feet)	VERTICAL SECTION (feet)	RECTANGULAR COORDINATES (feet)	DOGL -SEVERITY DG/100
68	9649.9	96.20	328.500	31.4	8178.6	1601.5	1866.6 N 125.7 W	5.0
69	9681.4	97.20	328.800	31.5	8174.9	1632.7	1893.3 N 142.0 W	3.0
70	9712.9	97.10	327.800	31.5	8171.0	1664.0	1919.9 N 158.4 W	3.0
71	9744.1	96.00	328.200	31.2	8167.4	1695.0	1946.2 N 174.9 W	3.0
72	9775.4	96.50	327.900	31.2	8164.0	1726.0	1972.6 N 191.3 W	1.0
73	9807.1	96.70	328.400	31.7	8160.4	1757.4	1999.3 N 207.9 W	1.0

--- Final Closure Direction: 354.064
 --- Final Closure Distance: 2010.090 feet

Survey Program

Date: 7/9/1994 Time: 5: 1:40

PAGE: 1

Filename: "CU544212.SRV" Description: "COYOTE UNIT WELL #1

Target Coordinates: 2098.4 N 1468.0 W Target TVD: 0.000

Using Minimum Curvature Method.

S #	MEASURED DEPTH (feet)	DRIFT ANGLE (deg)	DRIFT DIRECTION (deg)	COURSE LENGTH (feet)	TRUE VERTICAL DEPTH (feet)	VERTICAL SECTION (feet)	RECTANGULAR COORDINATES (feet)	DOG -SEVER DG/100
65	9555.6	92.20	330.600	31.3	8186.4	1507.8	1785.5 N 78.1 W	3
66	9586.9	94.50	329.200	31.3	8184.6	1539.0	1812.6 N 93.8 W	8
67	9618.5	95.60	330.000	31.6	8181.8	1570.4	1839.8 N 109.7 W	4
68	9649.9	96.20	328.500	31.4	8178.6	1601.5	1866.6 N 125.7 W	5
69	9681.4	97.20	328.800	31.5	8174.9	1632.7	1893.3 N 142.0 W	3

--- Final Closure Direction: 355.712

--- Final Closure Distance: 1898.617 feet

Survey Program

Date: 7/8/1994 Time: 3:49:13

PAGE: 1

Filename: "CU544212.SRV" Description: "COYOTE UNIT WELL #1

Target Coordinates: 2098.4 N 1468.0 W Target TVD: 0.000

Using Minimum Curvature Method.

S #	MEASURED DEPTH (feet)	DRIFT ANGLE (deg)	DRIFT DIRECTION (deg)	COURSE LENGTH (feet)	TRUE VERTICAL DEPTH (feet)	VERTICAL SECTION (feet)	RECTANGULAR COORDINATES (feet)	DOG LEG -SEVERITY DG/100
60	9398.0	95.80	332.000	31.6	8201.9	1352.0	1648.2 N	2.6 W 2
61	9429.5	97.80	331.000	31.6	8198.2	1383.2	1675.8 N	17.5 W 7
62	9461.1	98.00	331.300	31.5	8193.9	1414.2	1703.1 N	32.6 W 1
63	9492.7	95.10	331.200	31.7	8190.2	1445.5	1730.7 N	47.7 W 9
64	9524.3	93.30	331.100	31.5	8187.9	1476.8	1758.3 N	62.9 W 5
65	9555.6	92.20	330.600	31.3	8186.4	1507.8	1785.5 N	78.1 W 3
66	9586.9	94.50	329.200	31.3	8184.6	1539.0	1812.6 N	93.8 W 8
67	9618.5	95.60	330.000	31.6	8181.8	1570.4	1839.7 N	109.7 W 4

--- Final Closure Direction: 356.587

--- Final Closure Distance: 1843.003 feet

Survey Program

Date: 7/7/1994 Time: 1: 4:25

PAGE: 1

Filename: "CU544212.SRV" Description: "COYOTE UNIT WELL #1

Target Coordinates: 2098.4 N 1468.0 W Target TVD: 8176.000

Using Minimum Curvature Method.

S #	MEASURED DEPTH (feet)	DRIFT ANGLE (deg)	DRIFT DIRECTION (deg)	COURSE LENGTH (feet)	TRUE		RECTANGULAR --- COORDINATES (feet)	DOGL -SEVERI DG/100
					VERTICAL DEPTH (feet)	VERTICAL SECTION (feet)		
55	9240.1	93.50	332.400	31.6	8214.0	1196.0	1508.5 N	69.8 E 2.
56	9271.7	93.50	332.000	31.5	8212.1	1227.3	1536.3 N	55.1 E 1.
57	9303.2	93.80	333.700	31.6	8210.1	1258.5	1564.4 N	40.8 E 5.
58	9334.8	94.60	332.500	31.6	8207.8	1289.7	1592.5 N	26.5 E 4.
59	9366.4	95.40	332.700	31.5	8205.0	1320.9	1620.4 N	12.0 E 2.
60	9398.0	95.80	332.000	31.6	8201.9	1352.0	1648.2 N	2.6 W 2.
61	9429.5	97.80	331.000	31.6	8198.2	1383.2	1675.8 N	17.5 W 7.

--- Final Closure Direction: 359.401

--- Final Closure Distance: 1675.865 feet

===== Survey Program =====

Date: 7/5/1994 Time: 22:31:43 PAGE: 1
 Filename: "CU544212.SRV" Description: "COYOTE UNIT WELL #1"
 Target Coordinates: 2098.4 N 1468.0 W Target TVD: 8176.000
 Using Minimum Curvature Method.

S #	MEASURED DEPTH (feet)	DRIFT ANGLE (deg)	DRIFT DIRECTION (deg)	COURSE LENGTH (feet)	TRUE VERTICAL DEPTH (feet)	VERTICAL SECTION (feet)	RECTANGULAR COORDINATES (feet)	DOGLEG -SEVERITY DG/100FT
52	9145.3	94.90	329.400	31.6	8221.5	1102.1	1425.5 N 115.1 E	2.54
53	9176.9	95.10	331.100	31.6	8218.8	1133.4	1452.8 N 99.4 E	5.39
54	9208.6	94.30	332.200	31.7	8216.2	1164.8	1480.6 N 84.4 E	4.28
55	9240.1	93.50	332.400	31.6	8214.0	1196.0	1508.5 N 69.8 E	2.61
56	9271.7	93.50	332.000	31.5	8212.1	1227.3	1536.3 N 55.1 E	1.27

--- Final Closure Direction: 2.055
 --- Final Closure Distance: 1537.333 feet

Survey Program

Date: 7/3/1994 Time: 23:11:56

PAGE: 1

Filename: "CU544212.SRV" Description: "COYOTE UNIT WELL #1

Target Coordinates: 2098.4 N 1468.0 W Target TVD: 8176.000

Using Minimum Curvature Method.

S #	MEASURED DEPTH (feet)	DRIFT ANGLE (deg)	DRIFT DIRECTION (deg)	COURSE LENGTH (feet)	TRUE VERTICAL DEPTH (feet)	VERTICAL SECTION (feet)	RECTANGULAR COORDINATES (feet)	DOGLEG SEVERITY DG/100F
40	8765.7	83.40	346.200	31.7	8227.6	729.8	1086.6 N 280.1 E	7.2
41	8797.3	84.80	344.000	31.6	8230.9	759.3	1117.0 N 272.0 E	7.7
42	8828.9	85.80	341.600	31.6	8233.6	789.3	1147.1 N 262.7 E	8.6
43	8860.8	87.10	336.700	32.0	8235.6	820.2	1176.9 N 251.3 E	15.8
44	8892.5	87.60	331.200	31.6	8237.0	851.4	1205.2 N 237.5 E	17.4
45	8923.5	88.50	332.600	31.1	8238.1	882.3	1232.6 N 222.8 E	5.3
46	8955.2	91.90	331.000	31.6	8238.0	913.7	1260.5 N 207.9 E	11.8
47	8986.7	93.50	332.300	31.6	8236.5	945.0	1288.2 N 192.9 E	6.5
48	9018.6	95.00	330.400	31.8	8234.1	976.5	1316.1 N 177.7 E	7.5

--- Final Closure Direction: 7.690
 --- Final Closure Distance: 1328.046 feet

Survey Program

Date: 7/1/1994 Time: 22: 6:13

PAGE: 1

Filename: "CU544212.SRV" Description: "COYOTE UNIT WELL #1

Target Coordinates: 2098.4 N 1468.0 W Target TVD: 8223.000

Using Minimum Curvature Method.

S #	MEASURED DEPTH (feet)	DRIFT ANGLE (deg)	DRIFT DIRECTION (deg)	COURSE LENGTH (feet)	TRUE VERTICAL DEPTH (feet)	VERTICAL SECTION (feet)	RECTANGULAR COORDINATES (feet)	DOGLEG SEVERITY DG/1000
30	8459.6	75.80	346.800	31.3	8170.4	454.6	792.0 N 339.1 E	6.1
31	8490.6	76.80	347.000	31.0	8177.7	482.5	821.4 N 332.3 E	3.2
32	8521.1	77.50	347.800	30.5	8184.5	510.1	850.4 N 325.8 E	3.4
33	8552.0	78.00	348.400	30.9	8191.1	537.9	880.0 N 319.6 E	2.4
34	8582.8	78.00	349.000	30.7	8197.5	565.4	909.5 N 313.7 E	1.9
35	8613.0	78.60	349.600	30.3	8203.6	592.4	938.6 N 308.2 E	2.7
36	8643.2	78.80	350.000	30.1	8209.5	619.3	967.7 N 302.9 E	1.4
37	8703.2	81.90	349.900	60.0	8219.6	672.9	1025.9 N 292.6 E	5.1
38	8710.0	82.00	350.100	6.8	8220.5	679.0	1032.6 N 291.4 E	3.2
39	8734.0	82.70	348.400	24.0	8223.7	700.7	1055.9 N 287.0 E	7.6
40	8765.7	83.40	346.200	31.7	8227.6	729.8	1086.6 N 280.1 E	7.2
41	8797.3	84.50	344.000	31.6	8230.9	759.3	1117.0 N 272.0 E	7.7
42	8828.9	85.80	341.600	31.6	8233.6	789.3	1147.1 N 262.7 E	8.6
43	8860.8	87.10	336.700	32.0	8235.6	820.2	1176.9 N 251.3 E	15.8
44	8892.5	87.60	331.200	31.6	8237.0	851.4	1205.2 N 237.5 E	17.4

--- Final Closure Direction: 11.146
 --- Final Closure Distance: 1228.415 feet

prediction @ bit @ 8928'

TVD	v.s.	Pr. It	Direction	Loc	
8238.33	886.85	88.16	325.02	1235.4N	218.7 E

Survey Program

Date: 6/30/1994 Time: 18:27:16 PAGE: 1
 Filename: "CU544212.SRV" Description: "COYOTE UNIT WELL #1"
 Target Coordinates: 2098.4 N 1468.0 W Target TVD: 8223.000
 Using Minimum Curvature Method.

S #	MEASURED DEPTH (feet)	DRIFT ANGLE (deg)	DRIFT DIRECTION (deg)	COURSE LENGTH (feet)	TRUE VERTICAL DEPTH (feet)	VERTICAL SECTION (feet)	RECTANGULAR COORDINATES (feet)	DOGLE -SEVERITY DG/100E
35	8613.0	78.60	349.600	30.3	8203.6	592.4	938.6 N 308.2 E	2.7
36	8643.2	78.80	350.000	30.1	8209.5	619.3	967.7 N 302.9 E	1.4
37	8703.2	81.90	349.900	60.0	8219.6	672.9	1025.9 N 292.6 E	5.1
38	8710.0	82.00	350.100	6.8	8220.5	679.0	1032.6 N 291.4 E	3.2
39	8734.0	82.70	348.400	24.0	8223.7	700.7	1055.9 N 287.0 E	7.6
40	8765.7	83.40	346.200	31.7	8227.6	729.8	1086.6 N 280.1 E	7.2
41	8797.3	84.50	344.000	31.6	8230.9	759.3	1117.0 N 272.0 E	7.7
42	8828.9	85.50	343.000	31.6	8233.7	789.2	1147.2 N 263.1 E	4.4

--- Final Closure Direction: 12.915
 --- Final Closure Distance: 1176.942 feet

projection @ bite 8865'

TVD	vs	Drift	Direction	Loc.
8236'	823.55	86.6	341.855	1181.5N 252.2

Survey Program

PAGE: 1

Date: 6/22/1994 Time: 4:11:49

Filename: "CU544212.SRV" Description: "COYOTE UNIT WELL #1

Target Coordinates: 2098.4 N 1468.0 W Target TVD: 8223.000

Using Minimum Curvature Method.

S #	MEASURED DEPTH (feet)	DRIFT ANGLE (deg)	DRIFT DIRECTION (deg)	COURSE LENGTH (feet)	TRUE VERTICAL DEPTH (feet)	VERTICAL SECTION (feet)	RECTANGULAR COORDINATES (feet)	DOGLEG SEVERITY DG/100FT
30	8459.6	75.80	346.800	31.3	8170.4	454.6	792.0 N 339.1 E	6.10
31	8490.6	76.80	347.000	31.0	8177.7	482.5	821.4 N 332.3 E	3.28
32	8521.1	77.50	347.800	30.5	8184.5	510.1	850.4 N 325.8 E	3.43
33	8552.0	78.00	348.400	30.9	8191.1	537.9	880.0 N 319.6 E	2.49
34	8582.8	78.00	349.000	30.7	8197.5	565.4	909.5 N 313.7 E	1.91
35	8613.0	78.60	349.600	30.3	8203.6	592.4	938.6 N 308.2 E	2.77
36	8643.2	78.80	350.000	30.1	8209.5	619.3	967.7 N 302.9 E	1.46
37	8703.2	81.90	349.900	60.0	8219.6	672.9	1025.9 N 292.6 E	5.17
38	8710.0	82.00	350.100	6.8	8220.5	679.0	1032.6 N 291.4 E	3.26

--- Final Closure Direction: 15.761
 --- Final Closure Distance: 1072.906 feet

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MOAB DISTRICT OFFICE

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

5. Lease Designation and Serial No.
State - ML 45822

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

Coyote Unit

8. Well Name and No.
Coyote Unit No. 1

9. API Well No.
43-037-31738

10. Field and Pool, or Exploratory Area
Undesignated

11. County or Parish, State
San Juan Co., Utah

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Union Oil Company of California

3. Address and Telephone No.

P.O. Box 2620, Casper, WY 82602, 307-234-1563

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec. 32, T29S, R24E
230' FNL & 590' FEL Sec. 32 (Surface Location)
1856' FSL & 983" FEL Sec. 29 (End of Horizontal)

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

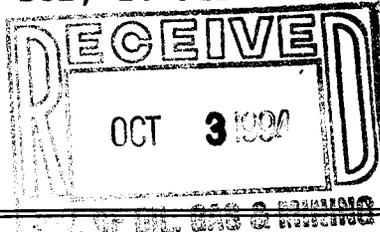
Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other Supplementary Well History
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface TDs and measure and true vertical depths for all markers and zones pertinent to this work.)

7/6/94 THRU 7/11/94
DRILD W/MUD MTR TO 9,315'. SHORT TRIP TO CSG SHOE @ 8,762' W/NO PROBLEMS, 10/15' DRAG. DRILD W/MUD MTR TO 9,470' BUILDING ANGLE TO 96° TO ACHIEVE TVD OF 8,180'. DRILD TO 9,664'. POOH.HAD 10-15M# DRAG THRU LATEARAL SECTION. CHANGED OUT MUD MTR & MWD. TIH TO 4,500'. SLIPPED & CUT DRILL LINE. FINISH TIH W/ MAX 20,000 #'S SLACK-OFF WT THRU LATERAL SECTION. DRILD W/MUD MTR TO 9,730' CIRC AS REQUIRED BY GEOLOGIST FOR CORRELATIVE INFO. DRILD TO 9,869' SLIDING AND ROTATING AS REQUIRED TO MAINTAIN ANGLE AT 96.5°. DRILD TO 10,002' & BUILT ANGLE FROM 96.5° TO 98.1°. CIRC WHILE DRLG. DRILD OUT OF CANE CREEK INTO SALT SECTION @ 9,923' MD, 8,144' TVD. PUMPED & CIRC LCM SWEEP. SLUGGED PIPE & TOH W/15-20,000 #'S DRAG THRU LATERAL SECTION. POOH LAYING DOWN MWD. P/U & TIH W/6-1/2" RR BIT SUB, 20 JTS 4" DRILL PIPE.

SURVEYS: SEE ATTACHED



14. I hereby certify that the foregoing is true and correct.

Signed Karen Burnett

Drilling Secretary

Date

July 19, 1994

(This space for Federal or State office-use)

Approved by _____
Conditions of approval, if any:

Title

Branch of Fluid Minerals
Moab District

Date

JUL 22 1994

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
MOAB DISTRICT OFFICE
94 AUG -2 AM 7:25

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.
State - ML 45822

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA. Agreement Designation
Coyote Unit

8. Well Name and No.
Coyote Unit No. 1

9. API Well No.
43-037-31738

10. Field and Pool, or Exploratory Area
Undesignated

11. County or Parish, State
San Juan Co., Utah

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Union Oil Company of California

3. Address and Telephone No.
P.O. Box 2620, Casper, WY 82602, 307-234-1563

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec. 32, T29S, R24E
230' FNL & 590' FEL Sec. 32 (Surface Location)
1856' FSL & 983" FEL Sec. 29 (End of Horizontal)

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Supplementary Well History
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface turns and measured and true vertical depths for all markers and zones pertinent to this work.)
7/12/94

TIH W/6-1/2" BIT, DRLD TO 9,976'. HAD MAX S/O WT OF 20,000# THRU LATERAL SECTION. WASHED 26' TO BTM W/NO FILL. CBU W/MAX GAS OF 3,200 UNITS. CIRC & COND HOLE FOR LOGGING. TOH. 10-15 K DRAG THRU LATERAL SECTION. RIG UP SCHLUMBERGER, REPAIR LOGGING TOOL. TIH W/D.P. CONVEYED TOOL TO 7,918'. INSTALL LATCH IN HEAD & SIDE DOOR ENTRY SUB. TIH W/LATCH IN HEAD, LATCH UP, TEST OK. TIH 4 STDS POOH, REPAIR CLAMP ON SIDE DOOR, TIH TO 9,975'. POOH TO 8,763', DIPMETER NOT FUNCTIONING CORRECTLY, TIH TO 9,975'. RELOG 9,975' TO 8,763' LAY DOWN SIDE ENTRY SUB, RIG DOWN SCHLUMBERGER, SLUG DP, POOH LAY DOWN LOGGING TOOLS. TIH TO 10,002' OPEN ENDED. CIRC & COND MUD, MUD CUT TO 12.2 PPG ON BTMS UP. POOH TO CSG SHOE. CIRC & COND CLOSE RAMS, PRESSURE TO 1000# OR 15.1 BMW. HELD OK. TIH TO 9,020' CIRC & COND BEFORE PLACING CEMENT PLUG.

RECEIVED
OCT 3 1994

14. I hereby certify that the foregoing is true and correct
Signed Karen Dunsell Title Drilling Secretary Date July 29, 1994

(This space for Federal or State office use)
Approved by William H. [Signature] Title Associate District Manager Date 8/2/94
Conditions of approval, if any:

COYOTE UNIT #1

PAGE TWO

PUMPED IN 20 BBLs H₂O AHEAD, 84 GAL SOLVENT, 17 GAL SURFACANT, 150# POTASSIUM CHLORIDE, FOLLOW W/125 SX CLASS "G" CEMENT + .75% D-65 + .2% D-13 + 35% DOO-66 (SILCA-FLOUR) YIELD 1.29 CU.FT., 28 BBLs SLURRY, TO 8,276'. CIRCULATED OUT SPACER & CONDITIONED MUD. EST TOC 8,500' POOH LDDP PULL WEAR RING, FILL HLE, ND BOP'S NO TREE.

FINISHED CLEAN PITS, RIG RELEASED 0800 7/15/94. SUSPEND OPERATIONS UNTIL RESUMED BY PARTNERS WITHIN 90 DAYS.



AMPOLEX (USA), INC.

1050 SEVENTEENTH STREET, SUITE 2500
DENVER, CO 80265 U.S.A.

Telephone: (303) 595-9000

Fax: (303) 595-0110

Subsidiaries:

Ampolex (Orient), Inc.

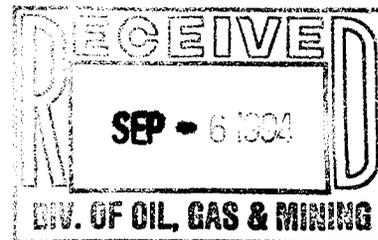
Ampolex (Pacific), Inc.

Ampolex (Texas), Inc.

Ampolex (Wyoming), Inc.

August 31, 1994

State of Utah
Division of Oil & Gas
3 Triad Center, #350
Salt Lake City, Utah 84180-1203



**RE: Coyote Unit #1
NE/4 NE/4 Sec. 32-T29S-R24E
San Juan County, Utah**

Gentlemen:

Enclosed please find the Sundry Notice and Report on Wells for the above referenced well for the purposes of re-entry into the Cane Creek formation and a change in operatorship from Unocal to Ampolex (Texas), Inc.

Sincerely,

Patricia J. Blackard
Production Secretary

pjb

Attachments

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5. LEASE DESIGNATION AND SERIAL NO.
STATE - ML 45822

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
COYOTE UNIT

8. FARM OR LEASE NAME
COYOTE UNIT #1

9. WELL NO.
#1

10. FIELD AND POOL, OR WILDCAT
UNDESIGNATED

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 32-T29S-R24E

12. COUNTY OR PARISH
SAN JUAN

13. STATE
UTAH

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
AMPOLEX (TEXAS), INC.

3. ADDRESS OF OPERATOR
1050 17TH ST., Suite 2500, Denver, Colorado 80265 ^{303/} ~~595-9000~~

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
At Surface 230' FNL & 590' FEL Sec. 32, NE/4 NE/4
At proposed prod. zone 2600' FSL & 570' FEL Sec. 29

14. API NUMBER
43-037-31738

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

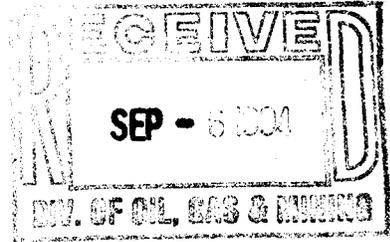
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	
(Other) RE-ENTER & CHANGE OF OPERATOR		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Proposed re-entry plan into the Cane Creek formation. Current condition of well is plugged back to a MD of 8500 feet in the 7-5/8" casing set at 8762' MD. Drill 6-1/2" hole with a steerable assembly from KOP to 10,500 MD 8190 TVD in order to encounter the Cane Creek formation. Drill + 1500 feet of Cane Creek formation in an attempt to intersect a swarm of fractures that could contain commercial quantities of hydrocarbons. Attached is a well program including well path trajectory and drilling equipment requirements.

In this Sundry we also are applying for a change of operatorship from Unocal to Ampolex (Texas), Inc. with bond coverage for this well provided by Nationwide Surety #69HF3973.



18. I hereby certify that the foregoing is true and correct

SIGNED Michael M. Power TITLE Senior Petroleum Engineer DATE 8/30/94

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

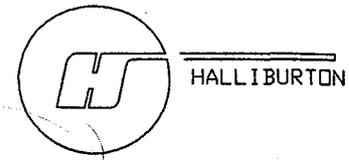
DATE: 9/9/94

BY: JM Matthews

WELL SPACING: R649-3-3

*See Instructions on Reverse Side

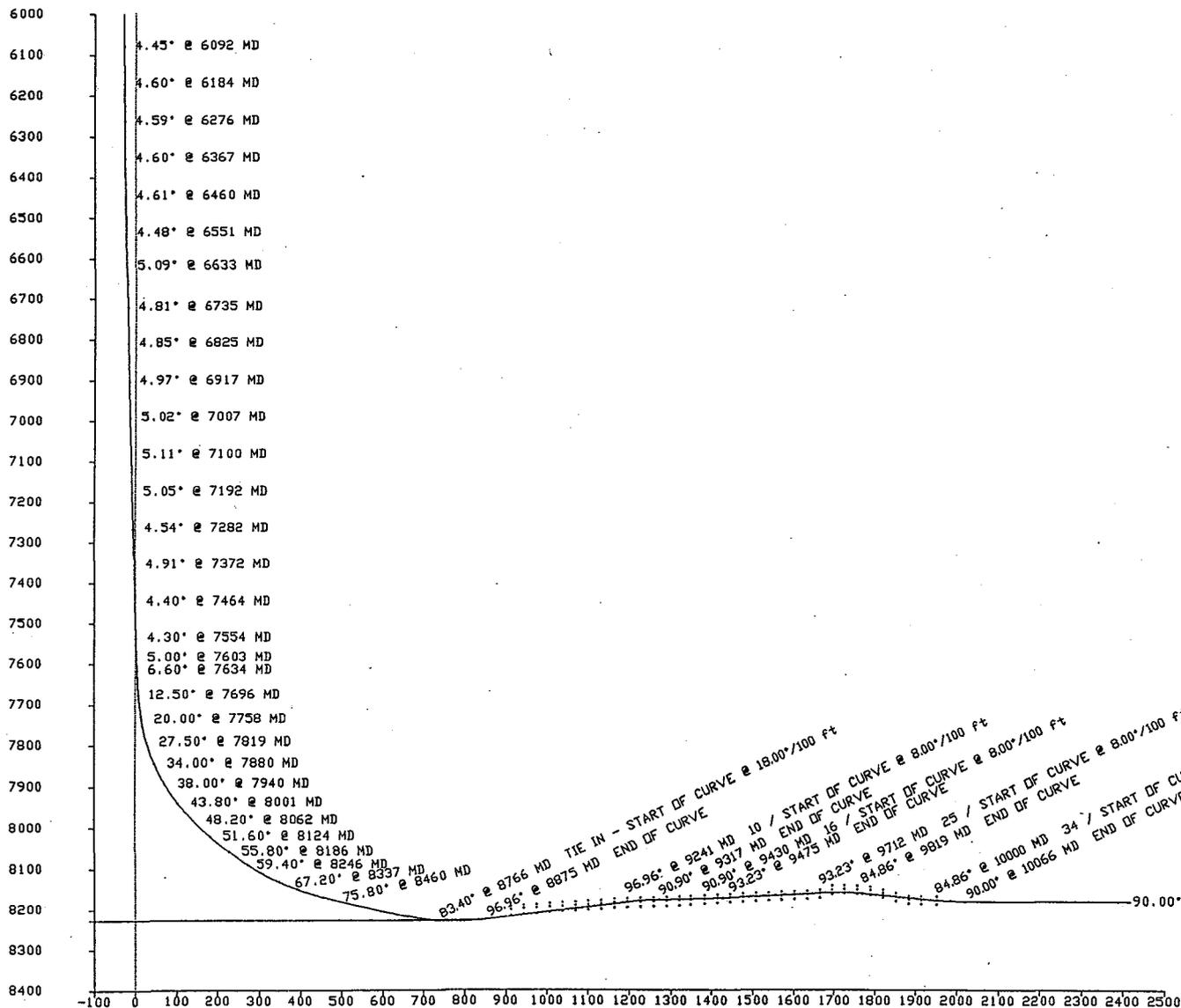
AMPOLEX U.S.A.
 COYOTE FEDERAL #1 - SIDETRACK
 SEC 33-T29S-R24E
 SAN JUAN CO., UTAH



HALLIBURTON

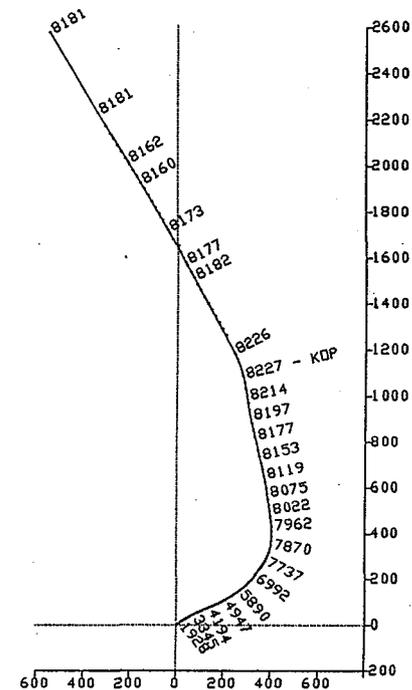
8/30/94 9:23 am

VERTICAL VIEW
 SCALE 100 ft. / DIVISION
 TVD REF: WELLHEAD



VERTICAL SECTION PLANE: 325.00

HORIZONTAL VIEW
 SCALE 200 ft. / DIVISION
 SURVEY REF: WELLHEAD



CURRENT WELL CONDITIONS

CONDUCTOR: 16" SET AT 60'

SURFACE CASING: 11-3/4", 47#/ft., K-55, ST&C set at 1218'.

INTERMEDIATE CASING: 7-5/8" set at 8,762' MD, 8,226' TVD.

Surface to 4,346' MD	29.7 #/ft.	N-80	LT&C
4,346 - 7,264' MD	33,7 #/ft.,	S-95	LT&C
7,264 - 8,762' MD	39.0 #/ft.,	S-95	LT&C

DV TOOL in the 7- 5/8" csg. is set at 7,001' MD

KOP at 7,606' MD ✓

OPEN HOLE: 6-1/2" 10,002 MD 8,223' TVD

CEMENT PLUG : 9,020' TO 8,500'

DRILLING FLUID: INVERT OIL EMULSION 12.8 ppg.

WELL HEAD:

Section A

Cameron Iron Works - 13 5/8" 5,000 psi x 11 3/4" SOW "WF" HSG w/ MCEVOY slip profile.

BHF 30" below ground level. Set 7-5/8" csg. slips with 245,000 lbs.

Section B

13 5/8" 5,000 psi x 11" 10,000 psi

Section C

X-mas tree 10,000 psi.

DRILLING PROCEDURE COYOTE UNIT #1

1. Move in drilling rig and associated equipment and rig up. This is to include the oil drip pan under rotary table, mud monitoring equipment and tarps over the mud pits.
 2. Check wellhead for any pressure. Nipple down dry hole flange. NU BOP's including the rotating head and it's associated flow line. Test BOPE to 5,000 psi including choke manifold and all surface connections associated with manifold, upper and lower kelly cock's, Inside BOP, TIW safety valves (to be located and accessible on the rig floor).Hydril is to be tested to 3,000 psi. and rotating head should be tested to 500 psi. Install Mud saver valve.
 3. Make up 6 1/2" bit, BHA #1 and 4 " Drillpipe to 8,500' MD. Circulate and condition mud to 13.0 ppg. Test casing to 3000 psi. Drill cement to 8,770' MD and circulate hole clean and run a pressure integrity test to 15.5ppg equivalent mud weight.. Pull out of hole for BHA #2.
 4. Pick up BHA #2 and GIH to 8,770' MD. Build and turn should be maintained at $\pm 18^\circ/100$ ft as per directional program. Lateral section will be geo-steered once in the Cane Creek section.
See directional path target. Once the build and turn have been initiated a bit change will be required. Pick up the 6-1/2" PDC bit, serial #35951, Model DS56H and BHA #3 and drill lateral section of the Cane Creek formation to a maximum measured depth of 10,500 ft. The placing of weight pipe in the proper position will require trips to adjust BHA and pipe placement as well conditions dictate. Short trips every 24-36 hours shall occur to maintain a clean wellbore.
- Note: The mud weight should be maintained to 12.5 - 12.8 ppg range. When the fractures are crossed expect a 2-5 ppg. kick. This should be circulated out using the circulate and weight method to kill the well. A decision to drill ahead or complete will be reached based on current well conditions.
5. Circulate and condition well and log if required. This will require drillpipe conveyed logging operations. This will only occur if wellbore conditions warrant it.
 6. Complete well as per completion procedure. All testing will be done in the completion stage of well.
 7. If well is not productive plug and abandon as required by the BLM and the State of Utah. Release rig and restore location.



AMPOLEX (USA), INC.

1050 SEVENTEENTH STREET, SUITE 2500
DENVER, CO 80265 U.S.A.

Telephone: (303) 595-9000

Fax: (303) 595-0110

Subsidiaries:

- Ampolex (Orient), Inc.
- Ampolex (Pacific), Inc.
- Ampolex (Texas), Inc.
- Ampolex (Wyoming), Inc.

August 31, 1994

State of Utah
 Division of Oil & Gas
 3 Triad Center, #350
 Salt Lake City, Utah 84180-1203

SEP -

RE: Coyote Unit #1
NE/4 NE/4 Sec. 32-T29S-R24E
San Juan County, Utah

Gentlemen:

Enclosed please find the Sundry Notice and Report on Wells for the above referenced well for the purposes of re-entry into the Cane Creek formation and a change in operatorship from Unocal to Ampolex (Texas), Inc.

Sincerely,

Patricia J. Blackard
 Patricia J. Blackard
 Production Secretary

OIL AND GAS

RJF	
1 FEB	
SI	
GI	
DI	
JJN	
31EC	
4 MICROFILM	
FILE	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		5. LEASE DESIGNATION AND SERIAL NO. STATE - ML 45822
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR AMPOLEX (TEXAS), INC.		7. UNIT AGREEMENT NAME COYOTE UNIT
3. ADDRESS OF OPERATOR 1050 17TH ST., Suite 2500, Denver, Colorado 80265 ^{303/} 595-9000		8. FARM OR LEASE NAME COYOTE UNIT #1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface At Surface 230' FNL & 590' FEL Sec. 32, NE/4 NE/4 At proposed prod. zone 2600' FSL & 570' FEL Sec. 29		9. WELL NO. #1
14. API NUMBER 43-037-31738		10. FIELD AND POOL, OR WILDCAT UNDESIGNATED
15. ELEVATIONS (Show whether dr, rt, or, etc.)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 32-T29S-R24E
12. COUNTY OR PARISH SAN JUAN		13. STATE UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other) <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> ABANDON* <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> (Other) <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/>
(Other) RE-ENTER & CHANGE OF OPERATOR		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Proposed re-entry plan into the Cane Creek formation. Current condition of well is plugged back to a MD of 8500 feet in the 7-5/8" casing set at 8762' MD. Drill 6-1/2" hole with a steerable assembly from KOP to 10,500 MD 8190 TVD in order to encounter the Cane Creek formation. Drill + 1500 feet of Cane Creek formation in an attempt to intersect a swarm of fractures that could contain commercial quantities of hydrocarbons. Attached is a well program including well path trajectory and drilling equipment requirements.

In this Sundry we also are applying for a change of operatorship from Unocal to Ampolex (Texas), Inc. with bond coverage for this well provided by Nationwide Surety #69HF3973.

SEP - 6 1994

18. I hereby certify that the foregoing is true and correct

SIGNED Michael M. Power TITLE Senior Petroleum Engineer DATE 8/30/94

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING
 DATE: 9/9/94
 BY: [Signature]
 WELL SPACING: R649-3-3

*See Instructions on Reverse Side

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 09/06/94

API NO. ASSIGNED: 43-037-31738

WELL NAME: COYOTE UNIT 1 (RE-ENTRY)
OPERATOR: AMPOLEX INC. (N0385)

PROPOSED LOCATION:
NENE 32 - T29S - R24E
SURFACE: 0230-FNL-0590-FEL
BOTTOM: 2600-FSL-0570-FEL - Section 29
 SAN JUAN COUNTY
 UNDESIGNATED FIELD (002)

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: STA
LEASE NUMBER: ML-45822

PROPOSED PRODUCING FORMATION: CNCR

RECEIVED AND/OR REVIEWED:

Plat

Bond: Federal State Fee
 (Number #69 HF 3973)

Potash (Y/N)

Oil shale (Y/N)

Water permit
 (Number _____)

RDCC Review (Y/N)
 (Date: _____)

LOCATION AND SITING:

R649-2-3. Unit: _____

R649-3-2. General.

R649-3-3. Exception.

Drilling Unit.
 Board Cause no: _____
 Date: _____

COMMENTS: _____

STIPULATIONS:

1 Section stipulation



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

September 9, 1994

Ampolex (Texas), Inc.
1050 17th St., Suite 2500
Denver, Colorado 80265

9/29/94
Spoke w/ Karen (Jim Benson's
secretary - UNOCAL - Casper Wy
307-234-1563 ext 116).
She will send the weekly
drilling reports and
WCR for UNOCAL's work
on this well.
DTS

Re: Coyote Unit #1 Well, Surface Location at 230' FNL, 590' FEL, Sec. 32, T. 29 S.,
R. 24 E., and Proposed Bottom Hole Location at 2600' FSL, 570' FEL, Sec. 29, T.
29 S., R. 24 E., San Juan County, Utah

Gentlemen:

Pursuant to Utah Admin. R. 649-3-3, Exception to Location and Siting of Wells and Utah Admin. R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to re-enter and horizontally drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. In accordance with Utah Admin. R. 649-3-11, Directional Drilling, submittal of a complete angular deviation and directional survey report is required.
2. Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules.
3. Notification to the Division within 24 hours after drilling operations commence.
4. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
5. Submittal of the Report of Water Encountered During Drilling, Form 7.



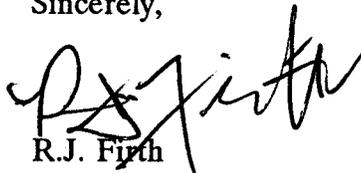
Page 2

Ampolex (Texas), Inc.
Coyote Unit #1 Well
September 9, 1994

6. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or K. Michael Hebertson, Reclamation Specialist, (Home) (801)269-9212.
7. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-037-31738.

Sincerely,



R.J. Firth
Associate Director

ldc

Enclosures

cc: San Juan County Assessor

Bureau of Land Management, Moab District Office

WO11



AMPOLEX (USA), INC.

1050 SEVENTEENTH STREET, SUITE 2500
DENVER, CO 80265 U.S.A.

Telephone: (303) 595-9000

Fax: (303) 595-0110

Subsidiaries:

Ampolex (Orient), Inc.

Ampolex (Pacific), Inc.

Ampolex (Texas), Inc.

Ampolex (Wyoming), Inc.

September 12, 1994

Mr. Robert A. Henricks
Chief Branch of Fluid Minerals
324 South State Streets
Suite 301
Salt Lake City, Utah 84111

RE: **Coyote Unit Area**
San Juan County, Utah

Dear Sir:

Enclosed herewith please find three (3) copies of "Resignation and Designation" of Unit Operator for the Coyote Unit Area.

FURTHER:

"Ampolex (Texas), Inc., as the designated successor operator under the Coyote Unit Agreement, No. UTU72612X, hereby certifies that the requisite approvals of the current working interest owners in this agreement have been obtained to satisfy the requirements for the selection of a successor operator as set forth under the terms and provisions of the agreement".

Thank you in advance for your cooperation.

Sincerely,

AMPOLEX (TEXAS), INC.

By: 

John E. Hein, Jr., CPL
Senior Landman

JEH/pc
Enclosures

cc: Mr. Eric Jones
Bureau of Land Management
Moab District Office
P.O. Box 970

RESIGNATION OF UNIT OPERATOR
COYOTE UNIT AREA
COUNTY OF SAN JUAN
STATE OF UTAH
NO. UTU72612X

Under and pursuant to the provisions of Section 5 of the Unit Agreement for the Development and Operation of the Coyote Unit Area, San Juan County, Utah, Union Oil Company of California, the designated Unit Operator under said Unit Agreement, does hereby resign as Unit Operator, effective upon the selection and approval of a successor Unit Operator.

EXECUTED with effect as aforesaid this 25th day of July, 1994.

UNION OIL COMPANY OF CALIFORNIA

By

DESIGNATION OF
SUCCESSOR UNIT OPERATOR
COYOTE UNIT AREA
COUNTY OF SAN JUAN
STATE OF UTAH
NO. UTU72612X

THIS INDENTURE, dated as of the 1st day of August, 1994, by and between Ampolex (Texas), Inc., hereinafter designated as "First Party," and the owners of unitized working interests, hereinafter designated as "Second Parties;"

WITNESSETH:

WHEREAS, under the provisions of the Act of February 25, 1920, 41 Stat. 437, 30 U.S.C. Secs. 181, et seq., as amended by the Act of August 8, 1946, 60 Stat. 950, the Secretary of the Interior, or his authorized representative, on the 25th day of April, 1994, approved a Unit Agreement for the Coyote Unit Area, wherein Union Oil Company of California is designated as Unit Operator; and

WHEREAS, the Union Oil Company of California has resigned as such Operator, and the designation of a successor Unit Operator is now required pursuant to the terms thereof; and

WHEREAS, the First Party has been and hereby is designated by Second Parties as Unit Operator, and said First Party desires to assume all the rights, duties, and obligations of Unit Operator under the said unit agreement;

NOW, THEREFORE, in consideration of the premises hereinbefore set forth and the promises hereinafter stated, the First Party hereby covenants and agrees to fulfill the duties and assume the obligations of Unit Operator under and pursuant to all the terms of the Coyote Unit Agreement, and the Second Parties covenant and agree that, effective upon approval of this indenture by the Authorized Officer, Bureau of Land Management, First Party shall be granted the exclusive right and privilege of exercising any and all rights and privileges as Unit Operator, pursuant to the terms and conditions of said Unit Agreement; said Unit Agreement being hereby incorporated herein by reference and made a part hereof as fully and effectively as though said Unit Agreement were expressly set forth in this instrument.

IN WITNESS WHEREOF, the parties hereto have executed this instrument as of the date hereinabove set forth.

FIRST PARTY:

ATTEST:

AMPOLEX (TEXAS), INC.

Diane L. Gemmill
Diane L. Gemmill
Assistant Secretary

By: *[Signature]*
Raymond G. Barnes
Vice President and Resident General Manager
Execution Date: _____

SECOND PARTIES:

UNION OIL COMPANY OF CALIFORNIA

COASTAL OIL & GAS CORPORATION

By: *[Signature]*
Execution Date: July 25, 1984

By: _____
Execution Date: _____

ANR PRODUCTION COMPANY

COLUMBIA GAS DEVELOPMENT CORPORATION

By: _____
Execution Date: _____

By: _____
Execution Date: _____

YATES PETROLEUM CORPORATION

YATES DRILLING COMPANY

By: _____
Execution Date: _____

By: _____
Execution Date: _____

ABO PETROLEUM CORPORATION

MYCO INDUSTRIES, INC.

By: _____

By: _____

Execution Date: _____

Execution Date: _____

By: _____

Harry H. Cullen

Execution Date: _____

COMPANY ACKNOWLEDGMENT

STATE OF Texas)
COUNTY OF Fort Bend) ss.

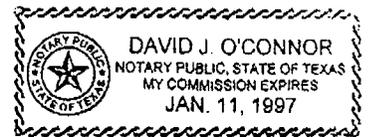
The foregoing instrument was acknowledged before me by D. Robin Green as Attorney-in-fact of Union Oil Company of California

This 25th day of July, 1994.

WITNESS my hand and official seal.

My Commission Expires:

1/11/97

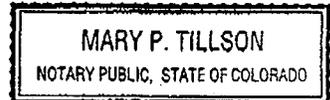


David J. O'Connor
Notary Public

STATE OF COLORADO)
COUNTY OF DENVER) ss.

On this 8th day of August, 19 94, before me, the undersigned, a Notary Public in and for said County and State, personally appeared Raymond G. Barnes and Diane L. Gemmill, known to me to be the Vice President and Resident General Manager and Assistant Secretary of AMPOLEX (TEXAS), INC., the corporation that executed the within instrument, and to be the person(s) who executed the within instrument on behalf of the corporation therein named, and acknowledged to me that such corporation executed the same.

WITNESS my hand and official seal.



My Commission Expires:
September 17, 1997

Mary P. Tillson
Notary Public: Mary P. Tillson
Address: 1050 - 17th Street
Suite 2500
Denver, Colorado 80265

FACSIMILE TRANSMISSION

UnitSource INCORPORATED
11184 HURON STREET, SUITE 10
DENVER, COLORADO 80234
(303) 452-6881
FAX (303) 452-6892

DATE: Sept 16, 1994TO: Lisha Cordova

FROM: PAUL S. CONNER

NUMBER OF PAGES: 5 (including this page)REFERENCE: Coyote Unit Area

MESSAGE:

Lisha: Per our conversation,
attached please find documentation
for the change of Operator
from Union Oil to Ampdex.

Let me know if you need anything
else

Paul Conner

FAX NO: 801 539-3940

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

COPY

IN REPLY REFER TO:
UT-922

September 22, 1994

Ampolex (USA), Inc.
1050 Seventeenth Street, Suite 2500
Denver, Colorado 80265

RE: Coyote Unit
San Juan County, Utah

Gentlemen:

On September 19, 1994, we received an indenture dated July 25, 1994, whereby Union Oil Company of California resigned as Unit Operator and Ampolex (Texas), Inc. was designated as Successor Unit Operator for the Coyote Unit, San Juan County, Utah.

The instrument is hereby accepted effective September 22, 1994. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Coyote Unit Agreement.

Your nationwide (Colorado) oil and gas bond No. 0701 will be used to cover all operations within the Coyote Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ George Diwachak

for Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Moab (w/enclosure)
~~Division of Oil, Gas & Mining~~
Division of Lands and Mineral Operations U-942
File - Coyote Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

U-922:TAThompson:tt:09-22-94

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1 LRC 7-PL	✓
2 LWP 8-SJ	✓
3 DPA 9-FILE	✓
4 VLC	✓
5 RJF	✓
6 LWP	✓

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 9-22-94)

TO (new operator)	<u>AMPOLEX (TEXAS) INC</u>	FROM (former operator)	<u>UNION OIL CO OF CA</u>
(address)	<u>1050 17TH ST STE 2500</u>	(address)	<u>PO BOX 760</u>
	<u>DENVER CO 80265</u>		<u>MOAB UT 84532-0760</u>
	<u>phone (303) 595-9000</u>		<u>phone (801) 686-2236</u>
	<u>account no. N 0385</u>		<u>account no. N1030</u>

Well(s) (attach additional page if needed): ***COYOTE UNIT**

Name: <u>COYOTE UNIT 1/DRL</u>	API: <u>43-037-31738</u>	Entity: <u>11637</u>	Sec <u>32</u> Twp <u>29S</u> Rng <u>24E</u>	Lease Type: <u>ML45822</u>
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Sec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd "Resignation of Unit Ops" 9-16-94)*
- Sec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 9-6-94)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____
- Sec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(9-22-94)*
- Sec 6. Cardex file has been updated for each well listed above. *10-4-94 Done changed it on 9-22-94*
- Sec 7. Well file labels have been updated for each well listed above.
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(9-22-94)*
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (~~Fee wells only~~) 80,000 Surety "Trust Land Admin."

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- DTB 2. Copies of documents have been sent to State Lands for changes involving State leases.
10/5/94 to Ed Bonner

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: October 10 1994.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

940922 Bym/SL Aprv. 9-22-94.

Speed Letter®

To Ed Bonner

From Don Staley

State Lands

Oil, Gas and Mining

Subject Operator Change

- No. 9 & 10 FOLD
MESSAGE

Date 10-5 19 94

Ed,

For your information, attached are copies of documents regarding an operator change on a state lease(s). These companies have complied with our requirements. Our records have been updated. Bonding should be reviewed by State Lands ASAP.

Former Operator: UNOCAL (N1030)

New Operator : AMPOLX (N0385)

Well:

API:

Entity:

S-T-R:

COYOTE UNIT 1

43037-31738

11637

32-295-24E

(ml 45822)

- No. 9 FOLD

- No. 10 FOLD

CC: Operator File

Signed

Don

REPLY

Date _____ 19 _____

- No. 9 & 10 FOLD

Signed



AMPOLEX (USA), INC.

1050 SEVENTEENTH STREET, SUITE 2500
DENVER, CO 80265 U.S.A.

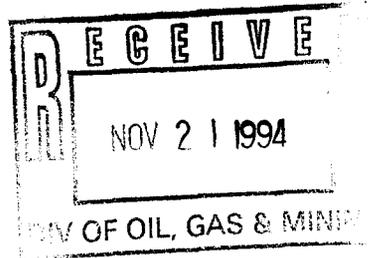
Telephone: (303) 595-9000

Fax: (303) 595-0110

Subsidiaries:

Ampolex (Orient), Inc.
Ampolex (Pacific), Inc.
Ampolex (Texas), Inc.
Ampolex (Wyoming), Inc.

State of Utah
Division of Oil ,Gas and Mining
Mr. Frank Mathews
Petroleum Engineer
3 Triad Center, Ste. 350
Salt Lake City, Utah 84180-1203



Dear Frank,

Enclosed you will find the final well surveys provided by the directional company Halliburton on the side track of the Coyote #1 API well number 43-037-31738 that Ampolex drilled recently in San Juan County, Utah.(Sec. 32 T29S, R24E)

Ampolex plans to attempt an Ismay test as soon as weather, rig availability and partner approval is received as noted on our drilling program, that was submitted for the re-entry and subsequent sidetrack of the Coyote #1 well.

If there is any other questions please call and I will make every effort to answer them as soon as possible.

Thank you for your assistance.

Sincerely,

Michael M. Power

HALLIBURTON ENERGY SERVICES

Survey Report

Date: 11/4/94
 Time: 11:17 am
 Wellpath ID: ORIGINAL
 Date Created: 10/27/94
 Last Revision: 11/4/94

Calculated using the Minimum Curvature Method
 Computed using WIN-CADDS REV2.1.A
 Vertical Section Plane: 325.00 deg.

Survey Reference: WELLHEAD
 Vertical Section Reference: WELLHEAD
 Closure Reference: WELLHEAD
 TVD Reference: WELLHEAD

AMPOLEX U.S.A.
 COYOTE FEDERAL #1
 SEC 33-T29S-R24E
 SAN JUAN COUNTY, UTAH

REVISED ORIGINAL WELLBORE SURVEY TO 8699.5' MD, (8710' MD - ON ORIGINAL WELL)

ALL OF THESE SURVEYS HAVE HAD 10.5' SUBTRACTED FROM THE ORIGINAL SURVEY DEPTHS
 TO ACCOUNT FOR A REDUCTION OF 10.5' IN K.B. ELEVATION FROM THE ORIGINAL WELL ELEVATION
 TO THE SIDETRACK ELEVATION

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		Closure Dist. Dir. (ft) (deg.)		Walk Rate (dg/100ft)	Build Rate (dg/100ft)	DLS (dg/100ft)
1207.50	0.00	0.00	0.00	1207.50	0.00	0.00 N	0.00 E	0.00@	0.00	0.00	0.00	0.00
1350.50	1.60	58.77	143.00	1350.48	-0.13	1.04 N	1.71 E	2.00@	58.77	0.00	1.12	1.12
1444.50	1.86	54.12	94.00	1444.44	-0.19	2.61 N	4.07 E	4.83@	57.30	-4.95	0.28	0.31
1538.50	1.78	59.98	94.00	1538.39	-0.30	4.23 N	6.57 E	7.81@	57.18	6.23	-0.09	0.22
1633.50	1.81	55.74	95.00	1633.34	-0.44	5.82 N	9.08 E	10.79@	57.36	-4.46	0.03	0.14
1728.50	1.95	53.64	95.00	1728.29	-0.43	7.62 N	11.62 E	13.90@	56.76	-2.21	0.15	0.16
1823.50	1.82	51.63	95.00	1823.24	-0.30	9.51 N	14.11 E	17.02@	56.01	-2.12	-0.14	0.15
1917.50	1.87	49.26	94.00	1917.19	-0.06	11.44 N	16.44 E	20.03@	55.17	-2.52	0.05	0.10
2012.50	2.18	53.66	95.00	2012.13	0.14	13.52 N	19.07 E	23.38@	54.66	4.63	0.33	0.36
2107.50	2.43	58.57	95.00	2107.06	0.06	15.65 N	22.25 E	27.20@	54.88	5.17	0.26	0.34
2201.50	2.66	59.06	94.00	2200.96	-0.22	17.81 N	25.82 E	31.36@	55.41	0.52	0.24	0.25
2296.50	2.19	58.85	95.00	2295.88	-0.50	19.88 N	29.26 E	35.37@	55.81	-0.22	-0.49	0.49
2390.50	2.80	57.46	94.00	2389.79	-0.72	22.04 N	32.73 E	39.46@	56.04	-1.48	0.65	0.65
2484.50	2.64	60.97	94.00	2483.68	-1.04	24.33 N	36.56 E	43.92@	56.36	3.73	-0.17	0.25
2579.50	2.78	56.00	95.00	2578.58	-1.31	26.68 N	40.38 E	48.40@	56.55	-5.23	0.15	0.29
2673.50	2.71	62.06	94.00	2672.47	-1.62	28.99 N	44.24 E	52.89@	56.76	6.45	-0.07	0.32
2768.50	3.19	60.64	95.00	2767.34	-2.16	31.34 N	48.53 E	57.77@	57.14	-1.49	0.51	0.51
2863.50	3.41	57.37	95.00	2862.19	-2.54	34.16 N	53.21 E	63.23@	57.30	-3.44	0.23	0.30
2957.50	3.15	61.98	94.00	2956.03	-2.97	36.88 N	57.84 E	68.60@	57.48	4.90	-0.28	0.39
3052.50	3.41	60.67	95.00	3050.88	-3.56	39.49 N	62.61 E	74.02@	57.76	-1.38	0.27	0.28
3147.50	3.67	60.21	95.00	3145.69	-4.12	42.39 N	67.71 E	79.88@	57.95	-0.48	0.27	0.28
3241.50	3.95	60.40	94.00	3239.49	-4.69	45.48 N	73.14 E	86.13@	58.12	0.20	0.30	0.30
3336.50	4.08	61.68	95.00	3334.25	-5.40	48.70 N	78.96 E	92.77@	58.33	1.35	0.14	0.17
3431.50	4.39	64.76	95.00	3428.99	-6.41	51.85 N	85.22 E	99.76@	58.68	3.24	0.33	0.40
3525.50	4.47	63.02	94.00	3522.71	-7.53	55.05 N	91.74 E	106.99@	59.03	-1.85	0.09	0.17
3620.50	4.42	65.40	95.00	3617.43	-8.70	58.25 N	98.37 E	114.32@	59.37	2.51	-0.05	0.20
3715.50	4.80	67.69	95.00	3712.12	-10.24	61.29 N	105.37 E	121.90@	59.82	2.41	0.40	0.44
3809.50	4.72	68.27	94.00	3805.80	-11.99	64.21 N	112.60 E	129.63@	60.31	0.62	-0.09	0.10
3904.50	5.20	64.58	95.00	3900.44	-13.60	67.51 N	120.12 E	137.79@	60.67	-3.88	0.51	0.61
3999.50	5.42	65.81	95.00	3995.03	-15.16	71.19 N	128.10 E	146.56@	60.94	1.29	0.23	0.26
4093.50	5.39	65.30	94.00	4088.61	-16.78	74.86 N	136.17 E	155.38@	61.20	-0.54	-0.03	0.06
4188.50	5.42	66.12	95.00	4183.19	-18.45	78.54 N	144.32 E	164.31@	61.45	0.86	0.03	0.09
4283.50	5.10	66.27	95.00	4277.79	-20.14	82.05 N	152.29 E	172.95@	61.68	0.16	-0.34	0.34
4377.50	5.53	66.19	94.00	4371.39	-21.83	85.56 N	160.26 E	181.67@	61.90	-0.09	0.46	0.46
4472.50	5.58	65.36	95.00	4465.94	-23.55	89.34 N	168.64 E	190.84@	62.09	-0.87	0.05	0.10
4566.50	5.71	64.31	94.00	4559.48	-25.13	93.27 N	177.01 E	200.08@	62.22	-1.12	0.14	0.18

HALLIBURTON ENERGY SERVICES

Survey Report

Page 2
Date: 11/4/94
Wellpath ID: ORIGINAL

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	TOTAL		Closure Dist. (ft)	Dir. (deg.)	Walk Rate (dg/100ft)	Build Rate (dg/100ft)	DLS (dg/100ft)
						Rectangular (ft)	Offsets (ft)					
4661.50	5.18	62.28	95.00	4654.06	-26.44	97.31 N	185.07 E	209.09@	62.26	-2.14	-0.56	0.59
4755.50	5.24	60.85	94.00	4747.67	-27.41	101.38 N	192.57 E	217.63@	62.24	-1.52	0.06	0.15
4850.50	5.14	59.31	95.00	4842.28	-28.17	105.66 N	200.02 E	226.21@	62.15	-1.62	-0.11	0.18
4945.50	5.17	57.01	95.00	4936.89	-28.64	110.16 N	207.27 E	234.73@	62.01	-2.42	0.03	0.22
5039.50	4.98	59.35	94.00	5030.53	-29.10	114.55 N	214.33 E	243.02@	61.88	2.49	-0.20	0.30
5134.50	4.79	59.71	95.00	5125.18	-29.74	118.65 N	221.31 E	251.11@	61.80	0.38	-0.20	0.20
5229.50	4.60	59.09	95.00	5219.86	-30.34	122.61 N	228.00 E	258.88@	61.73	-0.65	-0.20	0.21
5323.50	4.42	56.57	94.00	5313.57	-30.71	126.54 N	234.26 E	266.25@	61.62	-2.68	-0.19	0.28
5418.50	4.65	54.57	95.00	5408.27	-30.78	130.79 N	240.45 E	273.72@	61.46	-2.11	0.24	0.29
5512.50	4.42	53.41	94.00	5501.98	-30.65	135.16 N	246.46 E	281.09@	61.26	-1.23	-0.24	0.26
5607.50	4.52	54.24	95.00	5596.69	-30.50	139.53 N	252.44 E	288.43@	61.07	0.87	0.11	0.13
5702.50	4.08	55.38	95.00	5691.42	-30.47	143.64 N	258.26 E	295.51@	60.92	1.20	-0.46	0.47
5796.50	4.27	50.30	94.00	5785.17	-30.21	147.77 N	263.70 E	302.28@	60.73	-5.40	0.20	0.44
5891.50	4.14	48.88	95.00	5879.92	-29.55	152.29 N	269.01 E	309.12@	60.49	-1.49	-0.14	0.18
5986.50	4.08	53.29	95.00	5974.67	-29.08	156.56 N	274.30 E	315.83@	60.28	4.64	-0.06	0.34
6081.50	4.45	52.01	95.00	6069.41	-28.79	160.85 N	279.91 E	322.84@	60.12	-1.35	0.39	0.40
6173.50	4.60	47.61	92.00	6161.12	-28.13	165.53 N	285.45 E	329.97@	59.89	-4.78	0.16	0.41
6265.50	4.59	47.03	92.00	6252.83	-27.15	170.53 N	290.87 E	337.17@	59.62	-0.63	-0.01	0.05
6356.50	4.60	49.41	91.00	6343.53	-26.28	175.39 N	296.30 E	344.32@	59.38	2.62	0.01	0.21
6449.50	4.61	42.57	93.00	6436.24	-25.12	180.56 N	301.66 E	351.57@	59.10	-7.35	0.01	0.59
6540.50	4.48	42.29	91.00	6526.95	-23.55	185.89 N	306.53 E	358.49@	58.77	-0.31	-0.14	0.14
6622.50	5.09	41.36	82.00	6608.66	-21.99	190.99 N	311.09 E	365.04@	58.45	-1.13	0.74	0.75
6724.50	4.81	40.89	102.00	6710.28	-19.88	197.62 N	316.88 E	373.45@	58.05	-0.46	-0.27	0.28
6814.50	4.85	40.85	90.00	6799.96	-18.03	203.35 N	321.84 E	380.69@	57.71	-0.04	0.04	0.04
6906.50	4.97	40.74	92.00	6891.63	-16.09	209.31 N	326.98 E	388.23@	57.38	-0.12	0.13	0.13
6996.50	5.02	35.93	90.00	6981.28	-13.85	215.45 N	331.84 E	395.64@	57.01	-5.34	0.06	0.47
7089.50	5.11	35.56	93.00	7073.92	-11.14	222.11 N	336.63 E	403.31@	56.58	-0.40	0.10	0.10
7181.50	5.05	36.12	92.00	7165.56	-8.47	228.72 N	341.40 E	410.93@	56.18	0.61	-0.07	0.08
7271.50	4.54	37.22	90.00	7255.24	-6.10	234.75 N	345.89 E	418.03@	55.84	1.22	-0.57	0.58
7361.50	4.91	36.20	90.00	7344.94	-3.77	240.70 N	350.32 E	425.04@	55.51	-1.13	0.41	0.42
7453.50	4.40	35.18	92.00	7436.63	-1.30	246.76 N	354.68 E	432.07@	55.17	-1.11	-0.55	0.56
7543.50	4.30	35.90	90.00	7526.37	0.97	252.31 N	358.65 E	438.51@	54.87	0.80	-0.11	0.13
7592.38	5.00	34.10	48.88	7575.09	2.33	255.56 N	360.91 E	442.24@	54.70	-3.68	1.43	1.46
7623.44	6.60	33.80	31.06	7605.99	3.46	258.17 N	362.67 E	445.17@	54.55	-0.97	5.15	5.15
7654.15	9.00	33.80	30.71	7636.42	4.97	261.63 N	364.98 E	449.07@	54.37	0.00	7.82	7.82
7685.42	12.50	32.20	31.27	7667.13	7.16	266.53 N	368.15 E	454.50@	54.10	-5.12	11.19	11.23
7716.52	16.20	29.90	31.10	7697.26	10.31	273.14 N	372.11 E	461.59@	53.72	-7.40	11.90	12.04
7747.04	20.00	27.80	30.52	7726.26	14.50	281.45 N	376.67 E	470.20@	53.23	-6.88	12.45	12.63
7777.95	23.70	25.30	30.91	7754.95	20.00	291.75 N	381.79 E	480.50@	52.61	-8.09	11.97	12.34
7808.49	27.50	22.30	30.54	7782.49	26.85	303.82 N	387.09 E	492.08@	51.87	-9.82	12.44	13.14
7839.20	31.10	17.80	30.71	7809.27	35.48	317.94 N	392.21 E	504.85@	50.97	-14.65	11.72	13.73
7869.30	34.00	13.40	30.10	7834.64	45.77	333.54 N	396.53 E	518.16@	49.93	-14.62	9.63	12.43
7899.63	35.80	8.80	30.33	7859.52	57.81	350.56 N	399.86 E	531.77@	48.76	-15.17	5.93	10.51
7929.99	38.00	4.80	30.36	7883.80	71.40	368.65 N	402.00 E	545.44@	47.48	-13.18	7.25	10.72
7960.18	41.30	1.90	30.19	7907.04	86.51	387.87 N	403.11 E	559.41@	46.10	-9.61	10.93	12.53
7990.46	43.80	359.00	30.28	7929.35	103.20	408.34 N	403.25 E	573.90@	44.64	-9.58	8.26	10.49
8021.18	46.10	356.30	30.72	7951.09	121.47	430.02 N	402.35 E	588.90@	43.10	-8.79	7.49	9.73
8051.35	48.20	354.40	30.17	7971.61	140.56	452.06 N	400.56 E	603.95@	41.54	-6.30	6.96	8.35
8082.27	50.20	353.00	30.92	7991.81	161.09	475.33 N	397.98 E	619.94@	39.94	-4.53	6.47	7.32
8113.07	51.60	351.60	30.80	8011.24	182.33	499.01 N	394.78 E	636.25@	38.35	-4.55	4.55	5.75
8144.41	53.80	351.90	31.34	8030.23	204.59	523.68 N	391.20 E	653.67@	36.76	0.96	7.02	7.06
8175.15	55.80	351.60	30.74	8047.95	227.02	548.54 N	387.60 E	671.66@	35.24	-0.98	6.51	6.55

HALLIBURTON ENERGY SERVICES

Survey Report

Page 3
Date: 11/4/94
Wellpath ID: ORIGINAL

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	TOTAL		Closure		Walk Rate (dg/100ft)	Build Rate (dg/100ft)	DLS (dg/100ft)
						Rectangular (ft)	Offsets (ft)	Dist. (ft)	Dir. (deg.)			
8205.69	57.50	351.90	30.54	8064.74	249.80	573.79 N	383.94 E	690.36@	33.79	0.98	5.57	5.63
8235.51	59.40	350.90	29.82	8080.34	272.56	598.91 N	380.14 E	709.36@	32.40	-3.35	6.37	6.98
8265.41	62.00	349.60	29.90	8094.97	296.14	624.60 N	375.72 E	728.90@	31.03	-4.35	8.70	9.49
8295.70	64.60	348.00	30.29	8108.58	320.90	651.15 N	370.46 E	749.15@	29.64	-5.28	8.58	9.79
8326.99	67.20	347.20	31.29	8121.36	347.27	679.04 N	364.32 E	770.60@	28.21	-2.56	8.31	8.63
8357.82	69.70	347.20	30.83	8132.68	373.82	707.00 N	357.97 E	792.46@	26.85	0.00	8.11	8.11
8388.00	71.80	346.80	30.18	8142.63	400.23	734.76 N	351.56 E	814.53@	25.57	-1.33	6.96	7.07
8417.73	73.90	347.00	29.73	8151.39	426.59	762.43 N	345.12 E	836.90@	24.35	0.67	7.06	7.09
8449.06	75.80	346.80	31.33	8159.58	454.65	791.88 N	338.27 E	861.10@	23.13	-0.64	6.06	6.10
8480.08	76.80	347.00	31.02	8166.93	482.61	821.23 N	331.44 E	885.56@	21.98	0.64	3.22	3.28
8510.62	77.50	347.80	30.54	8173.72	510.14	850.29 N	324.94 E	910.26@	20.91	2.62	2.29	3.43
8541.55	78.00	348.40	30.93	8180.28	537.94	879.87 N	318.71 E	935.81@	19.91	1.94	1.62	2.49
8572.28	78.40	349.00	30.73	8186.57	565.48	909.36 N	312.82 E	961.66@	18.98	1.95	1.30	2.31
8602.55	78.60	349.60	30.27	8192.60	592.52	938.51 N	307.31 E	987.54@	18.13	1.98	0.66	2.05
8632.70	78.80	350.00	30.15	8198.51	619.36	967.61 N	302.07 E	1013.66@	17.34	1.33	0.66	1.46
8662.54	81.10	349.70	29.84	8203.72	646.02	996.53 N	296.90 E	1039.81@	16.59	-1.01	7.71	7.77
8692.70	81.90	349.90	30.16	8208.17	673.09	1025.88 N	291.61 E	1066.53@	15.87	0.66	2.65	2.73
8699.50	81.90	350.10	6.80	8209.13	679.19	1032.51 N	290.44 E	1072.56@	15.71	2.94	0.00	2.91

Suspension of Drilling Operations
Union Oil Company of California
Well No. Coyote Unit 1
Sec. 32, T. 29 S., R. 24 E. (Surf.)
Sec. 29, T. 29 S., R. 24 E. (BHL)
Lease U-017578 (BHL)
San Juan County, Utah

CONDITION OF APPROVAL

1. Approval is hereby granted to suspend drilling operations for 90 days, until November 1, 1994.

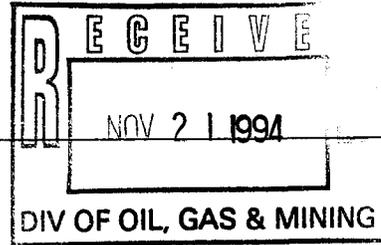
Survey Report

Date: 10/31/94
Time: 9:25 am
Wellpath ID: SURVEY
Date Created: 8/29/94
Last Revision: 10/27/94

Calculated using the Minimum Curvature Method
Computed using WIN-CADDS REV2.1.A
Vertical Section Plane: 325.00 deg.

Survey Reference: WELLHEAD
Vertical Section Reference: WELLHEAD
Closure Reference: WELLHEAD
TVD Reference: WELLHEAD

AMPOLEX U.S.A.
COYOTE FEDERAL #1 - SURVEY
SEC 33-T29S-R24E
SAN JUAN CO., UTAH



Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		Closure Dist. (ft)	Dir. (deg.)	Walk Rate (dg/100ft)	Build Rate (dg/100ft)	DLS (dg/100ft)
TIE IN POINT												
8699.50	81.90	350.10	0.00	8209.07	679.19	1032.51 N	290.44 E	1072.58@	15.71	0.00	0.00	0.00
8723.50	82.70	348.40	24.00	8212.29	700.88	1055.88 N	286.00 E	1093.92@	15.16	-7.08	3.33	7.77
CASING POINT (INTERPOLATED) - BHA #1 IN @ 8748' MD												
8751.50	83.32	346.46	28.00	8215.69	726.57	1083.00 N	279.96 E	1118.60@	14.49	-6.93	2.21	7.22
8772.00	86.70	347.90	20.50	8217.48	745.47	1102.91 N	275.43 E	1136.78@	14.02	7.02	16.49	17.91
8804.00	93.60	346.60	32.00	8217.39	775.07	1134.10 N	268.37 E	1165.42@	13.31	-4.06	21.56	21.94
8836.00	100.00	343.00	32.00	8213.61	804.95	1164.74 N	260.05 E	1193.42@	12.59	-11.25	20.00	22.91
8867.00	101.40	337.40	31.00	8207.85	834.33	1193.39 N	249.74 E	1219.24@	11.82	-18.06	4.52	18.32
BHA #2 IN @ 8881' MD												
8899.00	100.00	334.10	32.00	8201.90	865.21	1222.06 N	236.82 E	1244.75@	10.97	-10.31	-4.38	11.04
8930.00	99.40	334.00	31.00	8196.68	895.39	1249.53 N	223.45 E	1269.35@	10.14	-0.32	-1.94	1.96
8963.00	96.30	332.30	33.00	8192.17	927.75	1278.69 N	208.69 E	1295.61@	9.27	-5.15	-9.39	10.69
8995.00	96.80	331.90	32.00	8188.52	959.29	1306.79 N	193.81 E	1321.08@	8.44	-1.25	1.56	2.00
9027.00	95.70	331.80	32.00	8185.04	990.87	1334.84 N	178.81 E	1346.76@	7.63	-0.31	-3.44	3.45
9059.00	94.10	332.30	32.00	8182.31	1022.52	1363.00 N	163.86 E	1372.81@	6.86	1.56	-5.00	5.24
9092.00	93.90	331.80	33.00	8180.00	1055.19	1392.08 N	148.43 E	1399.97@	6.09	-1.52	-0.61	1.63
9124.00	94.90	332.00	32.00	8177.55	1086.86	1420.22 N	133.41 E	1426.47@	5.37	0.63	3.12	3.19
9157.00	95.60	331.60	33.00	8174.53	1119.49	1449.18 N	117.88 E	1453.97@	4.65	-1.21	2.12	2.44
9189.00	96.00	331.40	32.00	8171.29	1151.12	1477.16 N	102.69 E	1480.73@	3.98	-0.63	1.25	1.40
9221.00	95.60	330.70	32.00	8168.06	1182.78	1505.02 N	87.28 E	1507.55@	3.32	-2.19	-1.25	2.51
9255.00	95.50	331.10	34.00	8164.77	1216.44	1534.59 N	70.82 E	1536.22@	2.64	1.18	-0.29	1.21
9286.00	95.70	330.30	31.00	8161.75	1247.14	1561.49 N	55.72 E	1562.45@	2.04	-2.58	0.65	2.65
9318.00	96.40	330.00	32.00	8158.38	1278.83	1589.09 N	39.88 E	1589.59@	1.44	-0.94	2.19	2.38
9351.00	93.10	329.30	33.00	8155.64	1311.61	1617.47 N	23.27 E	1617.64@	0.82	-2.12	-10.00	10.22
9383.00	94.10	330.70	32.00	8153.63	1343.42	1645.13 N	7.30 E	1645.14@	0.25	4.38	3.12	5.37
9415.00	93.80	330.90	32.00	8151.43	1375.18	1672.99 N	8.28W	1673.01@	359.72	0.62	-0.94	1.13
9448.00	90.30	331.20	33.00	8150.25	1407.97	1701.85 N	24.24W	1702.02@	359.18	0.91	-10.61	10.64
9480.00	89.30	331.40	32.00	8150.36	1439.78	1729.91 N	39.60W	1730.37@	358.69	0.62	-3.12	3.19
9512.00	89.30	331.00	32.00	8150.75	1471.59	1757.95 N	55.02W	1758.81@	358.21	-1.25	0.00	1.25
9545.00	89.30	330.80	33.00	8151.16	1504.41	1786.79 N	71.07W	1788.20@	357.72	-0.61	0.00	0.61
9577.00	89.60	330.60	32.00	8151.46	1536.25	1814.69 N	86.73W	1816.76@	357.26	-0.62	0.94	1.13
9609.00	89.80	329.20	32.00	8151.63	1568.13	1842.37 N	102.77W	1845.24@	356.81	-4.37	0.63	4.42
BHA #3 IN @ 9623' MD												
9642.00	91.70	329.10	33.00	8151.20	1601.04	1870.70 N	119.69W	1874.53@	356.34	-0.30	5.76	5.77
9674.00	93.00	328.70	32.00	8149.89	1632.94	1898.08 N	136.21W	1902.96@	355.90	-1.25	4.06	4.25
9706.00	93.10	327.70	32.00	8148.18	1664.85	1925.24 N	153.05W	1931.31@	355.45	-3.12	0.31	3.14
9738.00	91.80	328.40	32.00	8146.82	1696.77	1952.36 N	169.96W	1959.75@	355.02	2.19	-4.06	4.61
9770.00	89.50	329.20	32.00	8146.45	1728.70	1979.73 N	186.54W	1988.50@	354.62	2.50	-7.19	7.61
9802.00	87.30	329.80	32.00	8147.35	1760.58	2007.29 N	202.77W	2017.51@	354.23	1.87	-6.87	7.13
9835.00	85.10	328.50	33.00	8149.53	1793.42	2035.56 N	219.66W	2047.37@	353.84	-3.94	-6.67	7.74

HALLIBURTON ENERGY SERVICES

Survey Report

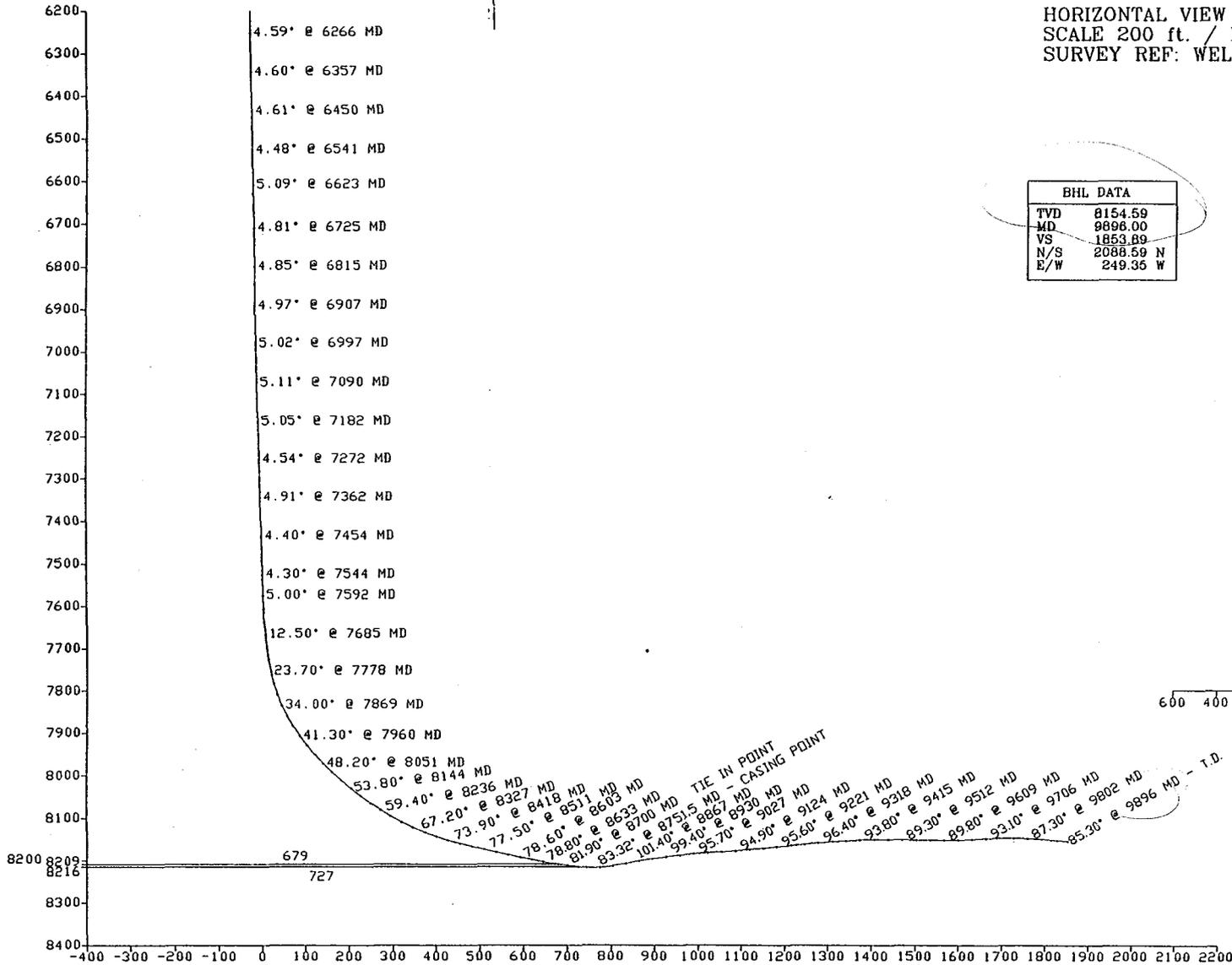
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9871.00	85.30	331.70	36.00	8152.55	1829.15	2066.65 N	237.54 W	2080.26 @ 353.44	8.89	0.56	8.88
BHA #4 IN @ 9623' MD: LAST SURVEY PROJECTED TO BIT											
9896.00	85.30	331.70	25.00	8154.59	1853.89	2088.59 N	249.35 W	2103.42 @ 353.19	0.00	0.00	0.00

AMPOLEX U.S.A.
 COYOTE FEDERAL #1
 SEC 33-T29S-R24E
 SAN JUAN CO., UTAH



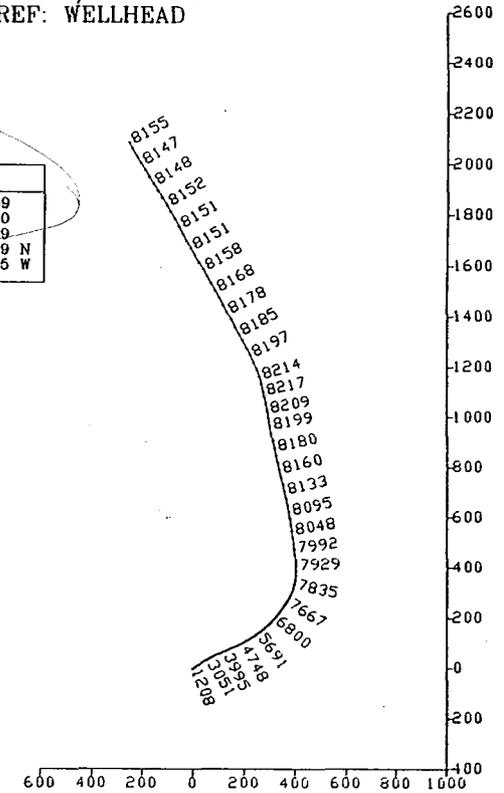
Drilling Systems

VERTICAL VIEW
 SCALE 100 ft. / DIVISION
 TVD REF: WELLHEAD
 VERTICAL SECTION REF: 325'



HORIZONTAL VIEW
 SCALE 200 ft. / DIVISION
 SURVEY REF: WELLHEAD

BHL DATA	
TVD	8154.59
MD	9896.00
VS	1853.89
N/S	2088.59 N
E/W	249.35 W



VERTICAL SECTION PLANE: 325.00

DOCM Form 5
May 5, 1987

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

3. LEASE DESIGNATION AND SERIAL NO.	State - ML 45822
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	n/a
7. UNIT AGREEMENT NAME	Coyote Unit No. 1
8. FARM OR LEASE NAME	
9. WELL NO.	One
10. FIELD AND POOL, OR WILDCAT	Coyote
11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA	Sec. 32-T29S-R24E
12. COUNTY OR PARISH	San Juan
13. STATE	Utah

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	
2. NAME OF OPERATOR Ampolex (Texas), Inc.	
3. ADDRESS OF OPERATOR 1050 Seventeenth Street, Suite 2500 Denver, CO 80265	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 230 ft. FNL, 590 ft. FEL NENE Section 32-T29S-R24E	
14. API NUMBER 43-037-31738	15. ELEVATIONS (Show whether SF, RT, GA, etc.) 6,718 ft. GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Reserve pit disposal means of <input checked="" type="checkbox"/> injection	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion or Wall Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

One time authorization for disposal of reserve pit contents by means of injection into the Ismay formation (NON-commercial gas zone).

Approximately 1200 bbls of unusable oil-based, and salt water-based, drilling fluid would be disposed of by pumping the reserve pit fluids into the Ismay formation (a non-commercial gas zone) by means of a rig pump or other service company supplied pump.

The Ismay was tested and found to be non-commercial.

FORMATION TOPS:
Chinle @ 1395'
Cutler @ 1715'
Upper Hermosa @ 2275'
La Sal (lower sand) @ 2839'
Ismay @ 4164'
Lower Ismay 4323'

PERFORATIONS: 4262'-4286'
4327'-4345'
4384'-4306'

CASING STRING DATA:
Surface casing: 11-3/4" 47 lb. K-55 @ 1280'
cemented to surface
Intermediate casing:
surface - 4346' 7-5/8" 29.7 lb. N-80
4346'-7264' 7-5/8" 33.7 lb. S-95
7264'-8762' 7-5/8" 39 lb. S-95
DV tool @ 7001'
Top of cement @ 2000'

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Senior Petroleum Eng DATE 12/16/94

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

*See Instructions on Reverse Side

DATE: 12-16-94
BY: [Signature]

attached conditions

Utah Division of Oil, Gas and Mining

Attachment to **Sundry Notice and Report on Wells**
dated December 16, 1994.

Subject: Request of Ampolex (Texas), Inc. for permission to inject reserve pit fluids into the Ismay Formation **Coyote Unit #1** well, sec. 32, T29S, R24E, San Juan, County.
API = 43-037-31738

Conditions of Approval:

- This a one time authorization for disposal of reserve pit fluids by injection into the Ismay Formation.
- A subsequent sundry report shall be filed which outlines the facts of the job such as volume disposed, pressure during injection, etc.

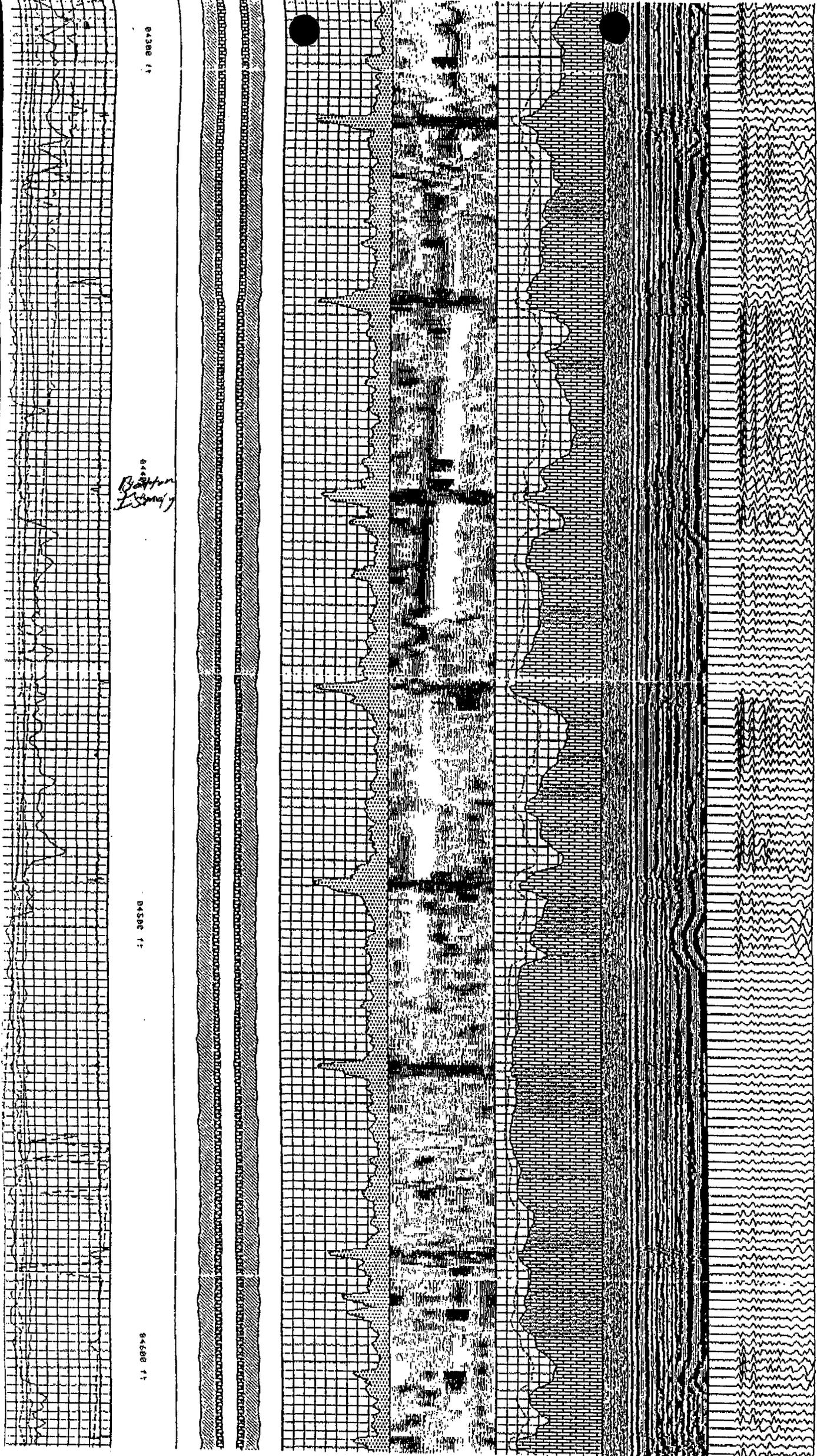
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84388 11

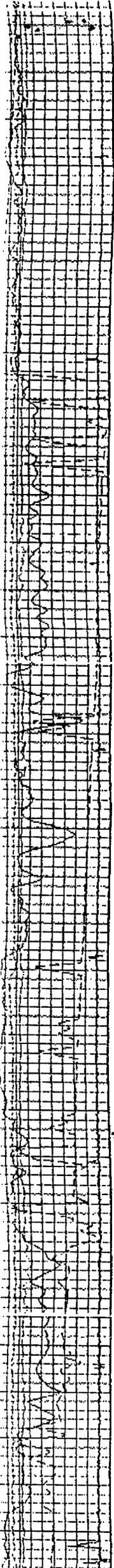
Bottom
Island

84588 11

84688 11



Coyote #1

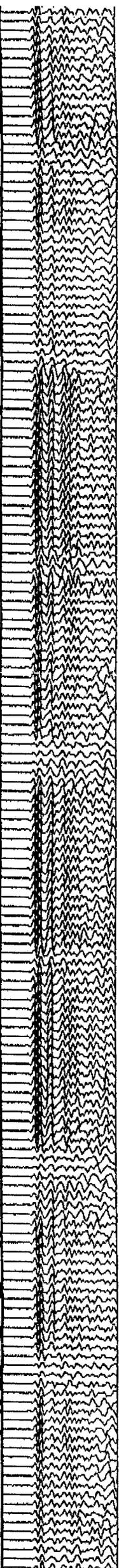
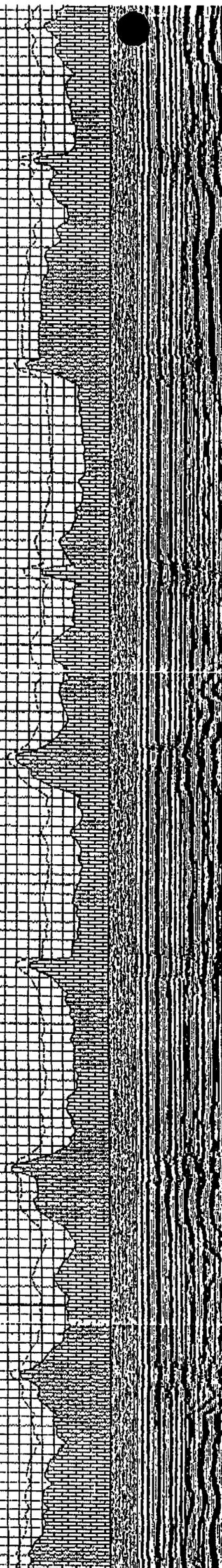
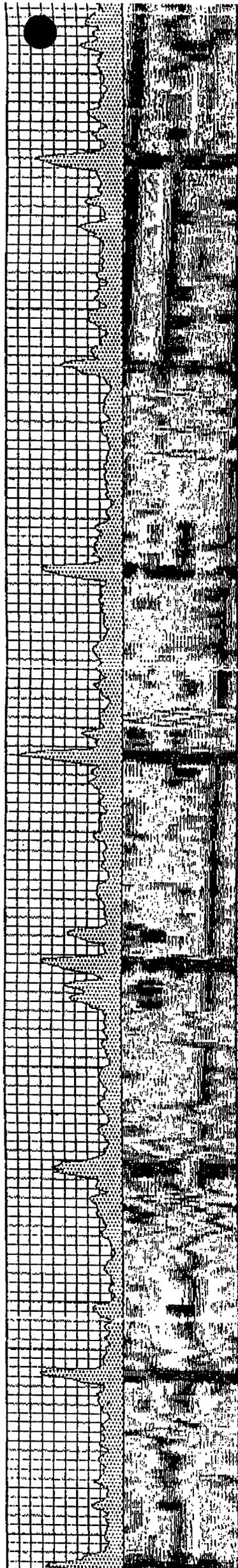
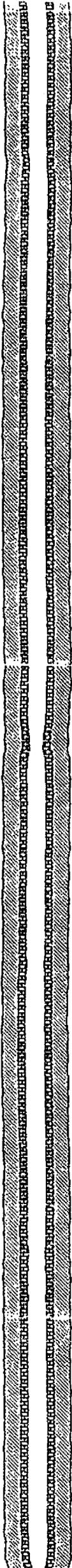


6418c 11

6428c 11

Top of Ismay

6438c 11



RECEIVED
AN - 1995

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5. LEASE DESIGNATION AND SERIAL NO.
State - ML 45 822

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Coyote Unit No. 1

8. FARM OR LEASE NAME

9. WELL NO.
One

10. FIELD AND POOL, OR WILDCAT
Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
32-29S-24E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

SUNDRY NOTICES AND REPORTS ON OIL, GAS & MINING

(Do not use this form for proposals to drill or to deepen or plug-back to a unconsolidated reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Ampolex (Texas), Inc.

3. ADDRESS OF OPERATOR
1050 17th Street, Suite 2500 Denver, CO 80265

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
230' FNL & 590' FEL
NENE 32-29S-24E

14. API NUMBER
43 037 31738

15. ELEVATIONS (Show whether DF, ST, GR, etc.)
6718' GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

The Ismay formation 4262'-4286', 4327'-4345', & 4384'-4406' was tested and found to be non-commercial. Maximum rate 130 mcfpd with 75 psi on a 16/64 choke prior to early termination of test due to encountering hydrogen sulfid (8000 ppm) in gas stream.

Reserve pit fluids injected into Ismay formation approximately equalled 2500 bbls of unusable oil based drilling fluid, saltwater based drilling fluid, and excess wash fluids used while drilling the well. The injection rate averaged 1.5-2.5 bpm at 750 psi - 1650 psi. Following injection of reserve pit fluids, the well was plugged as follows:

Plug #1 - set a cement retainer at 4132' and pumped 517 sx class 'B' cement below the retainer into open perforations (4262'-4406'). Pumped 13 sx above the retainer from 4132'-4082'.

Plug #2 - pumped 85 sx class 'B' cement from 1418'-1018' (200' above & 200' below surface casing shoe).

Plug #3 - pumped 21 sx class 'B' cement from 120' to the surface.

In addition, placed 10 sx of cement in annulus between 7-5/8" and 11-3/4" and in the 7-5/8" as per BLM request.

Above plugging procedures witnessed by BLM representative Mr. Jeff Brown on 12/19 and 12/20/94.

18. I hereby certify that the foregoing is true and correct

SIGNED *[Signature]* TITLE Senior Petroleum Engineer DATE 12/28/94

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



AMPOLEX (USA), INC.

1050 SEVENTEENTH STREET, SUITE 2500
DENVER, CO 80265 U.S.A.

Telephone: (303) 595-9000

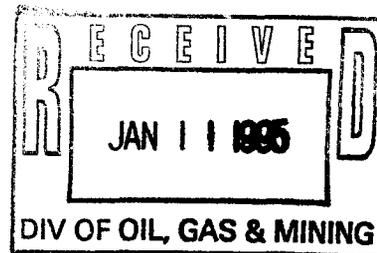
Fax: (303) 595-0110

Subsidiaries:

Ampolex (Orient), Inc.
Ampolex (Pacific), Inc.
Ampolex (Texas), Inc.
Ampolex (Wyoming), Inc.

January 9, 1995

Mr. Mike Hebertson
Inspector
Department of Natural Resources
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 3500
Salt Lake City, UT 84180-1203



RE: Reclamation Program For AMPOLEX (Texas) INC.
Coyote Unit #1 Well
Sec 32. T29S R24E
San Juan County, Utah

43-037-31738

Dear Mike:

As per our conversation regarding the reclamation program for the above-referenced well, it is the intent of AMPOLEX (USA), INC. to close and reclaim the location per the attached BLM procedures.

The reserve pit will be closed in a manner approved by Mr. Gill Hunt, Division of Oil, Gas, and Mining.

It is our intention to reclaim the surface of this location sometime in the spring of 1995, dependent upon spring weather conditions.

Mike, if you should require additional information, please do not hesitate to contact me.

Sincerely,

Steven A. Beardsley
Environmental/Safety Coordinator

Attachment

cc: Mike Power
Gil Hunt

FAX # 303-595-0110
STEVE BEARDSLEY
AMPOLEX

JANUARY 5, 1995

RE: RECLAMATION FOR COYOTE #1 WELL
SAN JUAN COUNTY UTAH
T. 29 S., R. 24 E., SEC. 32
STATE SURFACE/FEDERAL MINERALS

43-037-31738

THERE IS AN ARCHAEOLOGICAL SITE LOCATED NEXT TO THE WELL SITE. THE SITE WAS FENCED TO PREVENT ACCESS FROM WELL SITE TRAFFIC.

THE PROCEDURES FOR CLOSURE OF THE RESERVE PIT WILL PROVIDED BY MR. GIL HUNT, DIVISION OF OIL, GAS AND MINING.

SURFACE RECLAMATION AND SEEDING WAS DISCUSSED WITH MR. JAN PARMENTER AT THE STATE OF UTAH, DIVISION OF STATE LANDS. BLM AND STATE LANDS CONCURRED ON THE PROCEDURES FOR SURFACE RESTORATION AND SEEDING.

1. THE RESERVE PITS WILL BE EFFECTIVELY FENCED AND THE TOP COVERED BY NET WIRE UNTIL THE PIT IS DRY.
2. THE FENCED ARCHAEOLOGICAL SITE WILL BE AVOIDED DURING RECLAMATION.
3. MR. JAN PARMENTER OF THE DIVISION OF STATE LANDS (801-259-6316), WILL BE NOTIFIED TWO DAYS PRIOR TO SEEDING.
4. THE WELL SITE WILL BE RE-CONTOURED TO APPROXIMATE THE SURROUNDING TERRAIN.
5. THE TOPSOIL AND ASSOCIATED VEGETATION WILL BE REDISTRIBUTED OVER THE CONTOURED AREA.
6. THE SOIL SURFACE WILL BE DRY AND LOOSE PRIOR TO SEEDING. IF THE SOIL SURFACE CAN NOT BE PENETRATED BY THE DRILL SEEDER, ADDITIONAL SCARIFICATION MAY BE REQUIRED FOR PROPER SEED BED PREPARATION.
7. THE LOCATION WILL BE DRILL SEEDED DURING THE MONTH OF NOVEMBER WITH THE FOLLOWING MIXTURE OF PURE LIVE SEED:

Crested wheatgrass	4 pounds/acre
Tall wheatgrass	3 pounds/acre
Indian ricegrass	3 pounds/acre
Fourwing saltbush	2 pounds/acre
Yellow sweetclover	<u>1 pound/acre</u>
	13 pounds/acre

8. AFTER RECLAMATION HAS BEEN COMPLETED, THE ARCHAEOLOGICAL PROTECTION FENCING WILL BE REMOVED.
9. THE ROAD IMPACTED BY WELL SITE CONSTRUCTION WILL BE RESTORED TO ITS PREVIOUS CONDITION.

BLM WILL PERIODICALLY CHECK RESERVE PITS AND ARCHAEOLOGICAL SITE TO ENSURE COMPLIANCE. ANY PROPOSED CHANGES IN RECLAMATION PROCEDURES WILL REQUIRE PRIOR APPROVAL BY JAN PARMENTER.

RICH MCCLURE, 801-259-2127

cc: Jan Parmenter
SDRA, Jeff Brown
Mike Hebertson, DOGM

FAX # 303-595-0110
 STEVE BEARDSLEY
 AMPOLEX

JANUARY 5, 1995

RE: RECLAMATION FOR COYOTE #1 WELL
 SAN JUAN COUNTY UTAH
 T. 29 S., R. 24 E., SEC. 32
 STATE SURFACE/FEDERAL MINERALS

THERE IS AN ARCHAEOLOGICAL SITE LOCATED NEXT TO THE WELL SITE. THE SITE WAS FENCED TO PREVENT ACCESS FROM WELL SITE TRAFFIC.

THE PROCEDURES FOR CLOSURE OF THE RESERVE PIT WILL PROVIDED BY MR. GIL HUNT, DIVISION OF OIL, GAS AND MINING.

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BLM WILL PERIODICALLY CHECK RESERVE PITS AND ARCHAEOLOGICAL SITE TO ENSURE COMPLIANCE. ANY PROPOSED CHANGES IN RECLAMATION PROCEDURES WILL REQUIRE PRIOR APPROVAL BY JAN PARMENTER.

RICH MCCLURE, 801-259-2127

** TRANSMIT CONFIRMATION REPORT **

Journal No. : 046
Receiver : LEX USA *DENVER
Transmitter : DIV OIL GAS & MINING
Date : Jan 23,95 15:21
Document : 02 pages
Time : 01'20"
Mode : G3 NORMAL
Result : OK



State of Utah
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
 Governor
 Ted Stewart
 Executive Director
 James W. Carter
 Division Director

355 West North Temple
 3 Triad Center, Suite 350
 Salt Lake City, Utah 84180-1203
 801-538-5340
 801-359-3940 (Fax)
 801-538-5319 (TDD)

Date: 1/23/95

To: Steve Beardsley
Ampolex
303-595-0110 Fax

From: S.J. Hunt
 Division of Oil, Gas and Mining
 350 West North Temple
 3 Triad Center, Suite 350
 Salt Lake City, Utah 84180-1203

Enclosed is the information you requested regarding:

- Utah Code Ann. 40-6-1 et seq., (1953 as amended)
- Utah Admin. R.649-1 et seq. (Oil and Gas Conservation General Rules)
- General Report Forms
- Guidance Document - Reserve Pits, etc.
- Guidance Document - Cleanup Levels/Soils
- Guidance Document - Casing Setting Depth
- Disposal Strategy - E & P Wastes
- Listing of Approved Disposal Facilities
- Other: Reserve Pit Closure Procedures

Message: Please refer to these procedures
for Coyote unit #1 + other future
wells.

If you have any questions, please contact me at (801)538-5340.

Sincerely, [Signature]



UTAH DIVISION OF OIL, GAS & MINING

**RESERVE PIT CLOSURE
RECOMMENDED PROCEDURES**

The reserve pit should be closed within one year following drilling and completion of a well (R649-16.3). The pit can be considered cleaned up when it meets the following recommended levels. Operators should avoid putting wastes other than drill cuttings, mud and completion fluids into a reserve pit since this could complicate pit closure requirements.

Liquid in the pit should either be allowed to evaporate or be removed. If removed it must be disposed of properly either by injection (in this well or another) or hauled to a permitted disposal facility, or re-used at another well.

Backfill Closure:

If well was drilled with fresh mud, a liner was not required, and pit does not contain much oil (TPH \leq 3%). The pit can simply be backfilled once fluids are removed, evaporated and/or percolated.

Dilution Burial:

If salt or oil base mud was used. This method should not be used in general if the water table is less than 10 feet below the pit bottom, especially if intervening material is permeable such as sandy or gravelly soils. Pit contents are mixed with adjacent soil to reduce constituents levels below recommended levels (EC \leq 12 mmhos/cm, TPH \leq 3%), or higher if background levels are higher or with Division approval. Pit contents after mixing should contain no more than about 50% moisture by weight prior to burial of a waste/soil mix. Mixed contents should be covered with several feet of soil including top soil.

Solidification:

This method commonly uses cementitious/pozzolanic processes that envelope the waste solids in a materials matrix. Mixed pit contents should be covered with several feet of soil including top soil.

Spreading:

Pit contents (after fluid removal) can be spread over location and mixed in as long as cleanup levels are met as determined using the Division's guidance for estimating cleanup levels for petroleum contaminated soils. Pit can then be backfilled.



AMPOLEX (USA), INC.

1050 SEVENTEENTH STREET, SUITE 2500
DENVER, CO 80265 U.S.A.

Telephone: (303) 595-9000

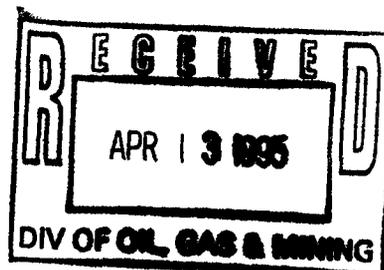
Fax: (303) 595-0110

Subsidiaries:

Ampolex (Orient), Inc.
Ampolex (Pacific), Inc.
Ampolex (Texas), Inc.
Ampolex (Wyoming), Inc.

11 April 1995

Mr. Gil Hunt
Environmental Manager
Department of Natural Resources
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 3500
Salt Lake City, Utah 84180-1203



**RE: Coyote Unit #1 Well
Section 32 T29S R24E
San Juan County, Utah**

Dear Gil:

In your absence, I spoke with Ron Firth today to advise him of the arrangements to remove the free liquids from the reserve pit of the above-referenced well.

I advised Ron that AABLE Trucking Company of Moab would be taking the free liquids to the West Hazmat/Rooney Operating Company disposal facility located in the NENE of Section 20, T30S-R25E of San Juan County, Utah. No dirt work or pit closure operations would begin until approved by you.

Gil, I will be out of the office until Monday, April 24. I will contact you the week of the 24th to discuss the course of action needed to close the reserve pit.

Should you require any information prior to our upcoming conversation, please do not hesitate to contact me or Mr. Robert C. Arceneaux, Ampolex's Senior Petroleum Engineer for U.S. operations.

Sincerely,
For and on behalf of
AMPOLEX (USA), INC.

Steven A. Beardsley
Environmental/Safety Coordinator
Consultant

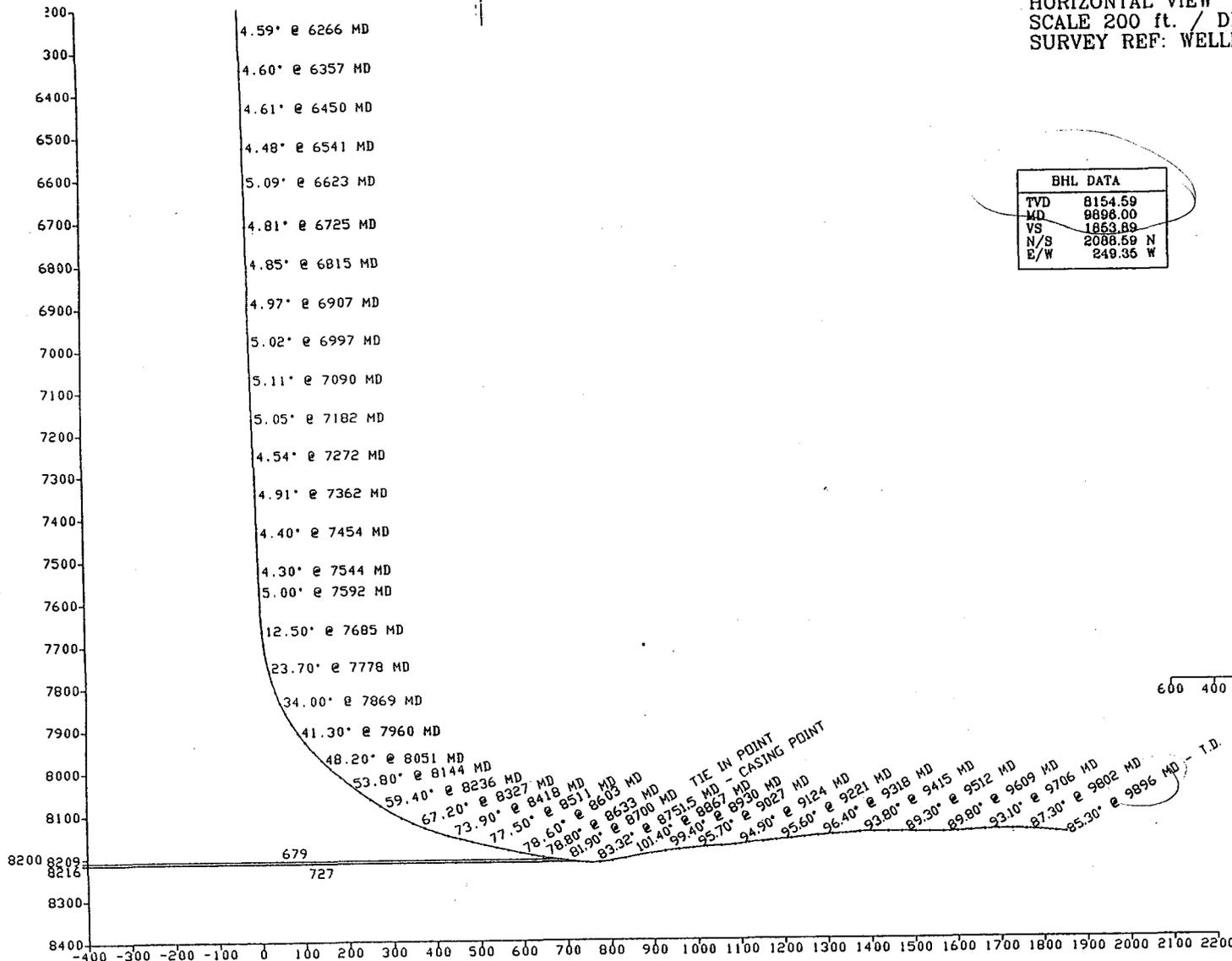
cc: Well file
RCA

AMPOLEX U.S.A.
 JOYOTE FEDERAL #1
 SEC 33-T29S-R24E
 SAN JUAN CO., UTAH



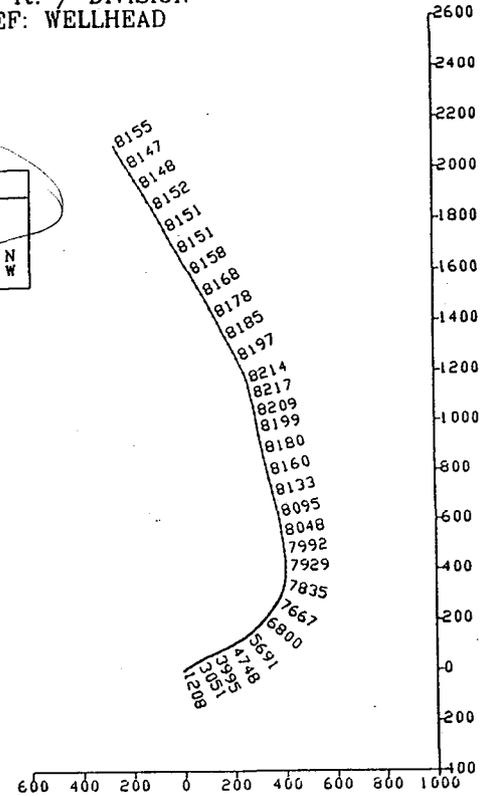
Drilling Systems

VERTICAL VIEW
 SCALE 100 ft. / DIVISION
 TVD REF: WELLHEAD
 VERTICAL SECTION REF: 325'



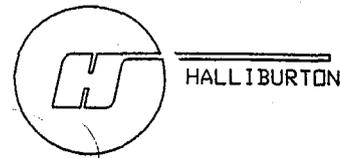
HORIZONTAL VIEW
 SCALE 200 ft. / DIVISION
 SURVEY REF: WELLHEAD

BHL DATA	
TVD	8154.59
MD	9896.00
VS	1853.89
N/S	2088.59 N
E/W	249.35 W



VERTICAL SECTION PLANE: 325.00

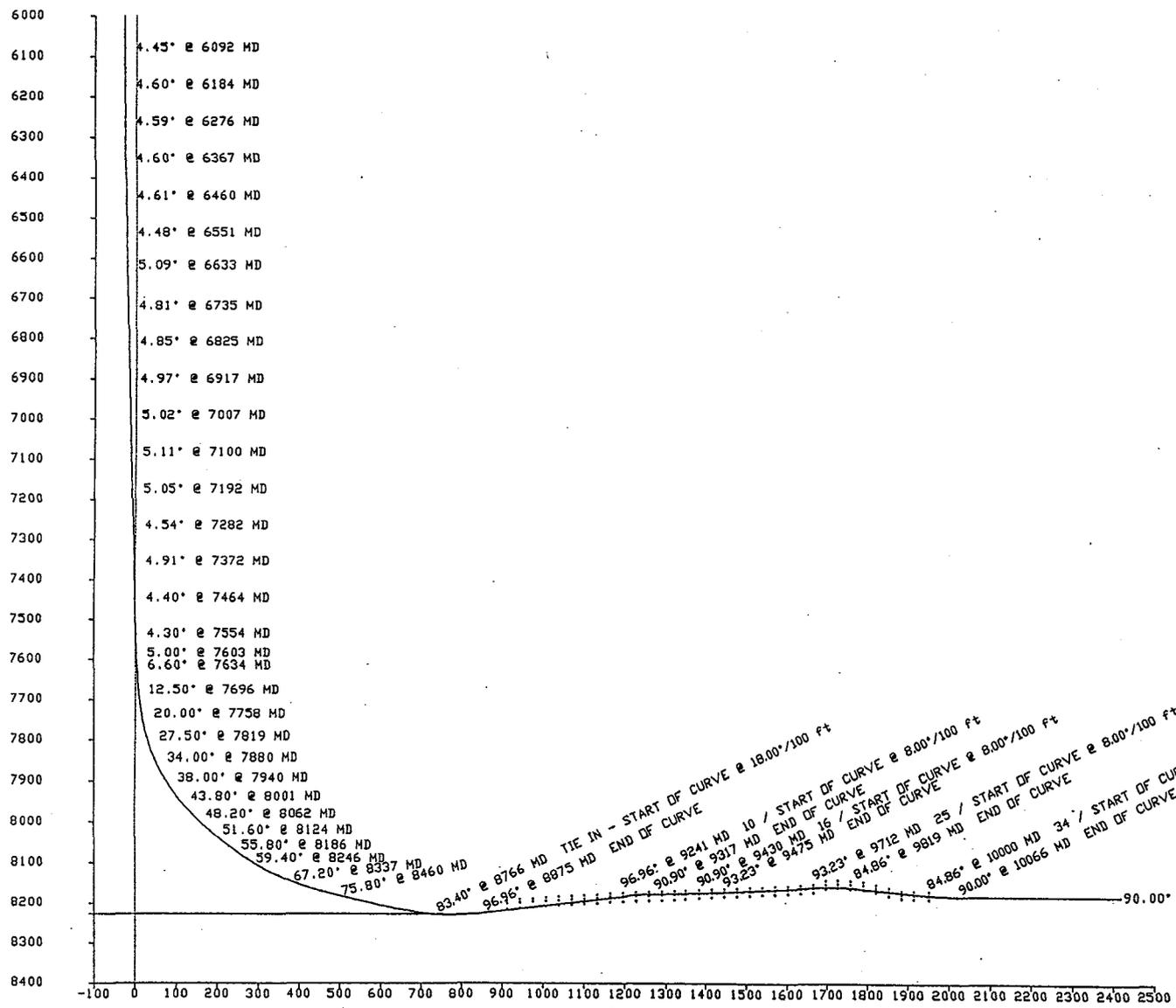
AMPOLEX U.S.A.
 COYOTE FEDERAL #1 - SIDETRACK
 SEC 33-T29S-R24E
 SAN JUAN CO., UTAH



HALLIBURTON

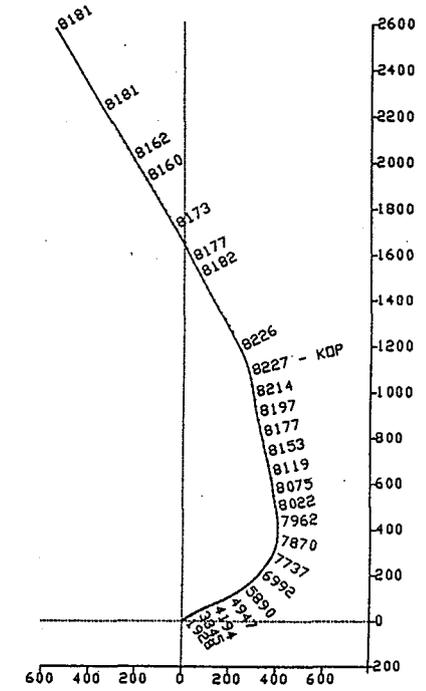
8/30/94 9:23 am

VERTICAL VIEW
 SCALE 100 ft. / DIVISION
 TVD REF: WELLHEAD



VERTICAL SECTION PLANE: 325.00

HORIZONTAL VIEW
 SCALE 200 ft. / DIVISION
 SURVEY REF: WELLHEAD



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____
b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP EN PLUG BACK DIFF. RESRV. Other **RE-ENTRY**

2. NAME OF OPERATOR
Ampolex (Texas), Inc.

3. ADDRESS OF OPERATOR
1050 17th St., Suite #2500, Denver, CO 80265

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface **230' FNL & 590' FEL NE NE Sec. 32**
At top prod. interval reported below
1,856' FSL & 983' FEL Sec. 29 (BHL)
At total depth

14. PERMIT NO. **31738** DATE ISSUED
43-037-31788

5. LEASE DESIGNATION AND SERIAL NO.
State - ML-45822
Federal - U-017578
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Coyote Unit

9. WELL NO.
#1 ST

10. FIELD AND POOL, OR WILDCAT
Undesignated

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 32-T29S-R24E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

15. DATE SPUNDED
SPUD: 04/28/94

16. DATE T.D. REACHED
06/23/94

17. DATE COMPL. (Ready to prod.)
Plugged and Aband.

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
6,735.5' KB

20. TOTAL DEPTH, MD & TVD
8,702' MD; 8,299.5' TVD

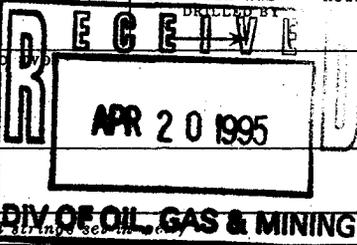
21. PLUG BACK T.D., MD & TVD
TVD 8141

22. IF MULTIPLE COMPLEMENTS, HOW MANY*
1

23. INTERVALS DRILLED BY
X

ROTARY TOOLS
CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)
9871 8152 TVD



25. WAS DIRECTIONAL SURVEY MADE
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
DLL/DNL/Sonic/GR; CBL 1-6-75 PULSE ECHO

27. WAS WELL CORED
No

28. CASING RECORD (Report all casing set in hole)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
11-3/4"	47#, K55, STC	1,280'	14-3/4"	525 sx 65/35 + 125 sx CL "G"	0
7-5/8"	29#, S-95	8,762.5'	9-7/8"	1st Stg.: 50 sx Poz + 150 Halco Lite 2nd Stg.: 525 sx 65/35 + 125 sx CL "G"	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CE

30. TUBING RECORD

D)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

4,262' - 4,286'
4,327' - 4,345'
4,384' - 4,306'

According to Ampolex (Mike Powers) Hg. Engineer. 1st hole 10,002 MD 8141.4 TVD Unocal. Ampolex reentry 9871 MD (FRM 5-2-95) 8152 TVD

33.*
DATE FIRST PRODUCTION
P & A 12/20/94
PRODUCTION METHOD (Flowing, gas lift, etc.)
PLUGGED AND ABAND.
DATE OF TEST
HOURS TESTED
CHOKE SIZE
PROD'N. TEST P
FLOW. TUBING PRESS.
CASING PRESSURE
CALCULATED 24-HOUR RATE
OIL—BI

SQUEEZE, ETC.
OF MATERIAL USED
STATUS (Producing or abandoned)
GAS-OIL RATIO
OIL GRAVITY-API (CORR.)
SED BY

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

35. LIST OF ATTACHMENTS
cc: State of Utah, Oil & Gas Division

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED **Winnah M. Carrasco** TITLE **Engineering Technician** DATE **04/17/95**

*(See Instructions and Spaces for Additional Data on Reverse Side)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other In-
structions on
reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____
b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP EN PLUG BACK DIFF. RESVR. Other **RE-ENTRY**

2. NAME OF OPERATOR
Ampolex (Texas), Inc.

3. ADDRESS OF OPERATOR
1050 17th St., Suite #2500, Denver, CO 80265

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface **230' FNL & 590' FEL NE NE Sec. 32**
At top prod. interval reported below
1,856' FSL & 983' FEL Sec. 29 (BHL)
At total depth

14. PERMIT NO. **31738** DATE ISSUED _____
43-037-31788

5. LEASE DESIGNATION AND SERIAL NO.
State - ML-45822
Federal - U-017578
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Coyote Unit

9. WELL NO.
#1 ST

10. FIELD AND POOL, OR WILDCAT
Undesignated

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 32-T29S-R24E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

15. DATE SPUDDED
04/28/94

16. DATE T.D. REACHED
06/23/94

17. DATE COMPL. (Ready to prod.)
Plugged and Aband.

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
6,735.5' KB

RE-ENTRY: **10/08/94**

20. TOTAL DEPTH, MD & TVD
8,702' MD; 8,299.5' TVD

21. PLUG BACK T.D., MD & TVD
8141'

23. INTERVALS
ROTARY TOOLS X

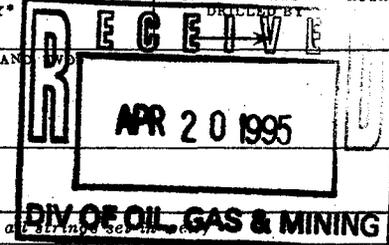
RE-ENTRY: **9,986' MD**

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)
9871' 8152' TVD

25. WAS DIRECTIONAL SURVEY MADE
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
DLL/DNL/Sonic/GR; CBL 1-6-75 PULSE ECHO

27. WAS WELL CORED
No



CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED
11-3/4"	47#, K55, STC	1,280'	14-3/4"	525 sx 65/35 + 125 sx CL "G"		0
7-5/8"	29#, S-95	8,762.5'	9-7/8"	1st Stg.: 50 sx Poz + 150		0
				Halco Lite		
				2nd Stg.: 525 sx 65/35 + 125 sx Cl "G"		0

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

SIZE	DEPTH SET (MD)	PACKER SET (MD)

PERFORATION RECORD (Interval, size and number)
4,262' - 4,286'
4,327' - 4,345'
4,384' - 4,306'

ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION
DATE FIRST PRODUCTION **P & A 12/20/94**
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)
WELL STATUS (Producing or shut-in) **PLUGGED AND ABAND.**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
TEST WITNESSED BY

35. LIST OF ATTACHMENTS
cc: State of Utah, Oil & Gas Division

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED **Winah M. Carrasco** TITLE **Engineering Technician** DATE **04/17/95**

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Chinle	1,395'	
				Cutler	1,715'	
				Upper Hermosa	2,275'	
				La Sal (Lower Sand)	2,839'	
				Ismay	4,164'	
				Lower Ismay	4,323'	

REVISED

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

MAY 15 1995

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

ML-45822

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Coyote Unit

9. WELL NO.

#1 St.

10. FIELD AND POOL, OR WILDCAT

Undesignated

11. SEC., T., R., M., OR B.L.K. AND SURVEY OR AREA

Section 32-T29S-R24E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

1. OIL WELL GAS WELL OTHER DRY HOLE

2. NAME OF OPERATOR
Ampolex (Texas), Inc.

3. ADDRESS OF OPERATOR
1050 17th Street, Suite #2500, Denver, CO 80265

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface 230' FNL & 590' FEL NE NE Sec. 32

1,856' FSL & 983' FEL Sec. 29 (BHL)

14. API NUMBER
43-037-31788

15. ELEVATIONS (Show whether DV, ST, GR, etc.)
6,735.5' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other) Pit Closure

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Ampolex (Texas), Inc. plans to close the reserve pit and rehabilitate the entire location as follows: (all free liquids have been removed from the pit)

1. Remove all fencing and netting material around reserve pit and haul to approved land fill area.
2. "Solidify" pit contents by mixing bentonite with cuttings as required to absorb all liquid.
3. Pit liner will be folded over and covered with + 6" additional bentonite and native soil.
4. Wellsite pad will be re-contoured to surrounding area.
5. Roadway across wellsite to connect to existing road on the other side will be restored per county requirements.
6. Reseeding of the disturbed areas will be done in November, 1995 per attached sheet.
7. Construct water bars as needed to control erosion.
8. All work will be performed by Crowley Construction, Inc., Monticello, Utah.

18. I hereby certify that the foregoing is true and correct

SIGNED

Robert C. Arceneaux

Robert C. Arceneaux
Senior Petroleum Engineer

DATE May 12, 1995

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

Accepted by the State
of Utah Division of
Oil, Gas and Mining

*See Instructions on Reverse Side

Date: 5-16-95
By: *[Signature]*

FAX # 303-595-0110
 STEVE BEARDSLEY
 AMPOLEX

JANUARY 5, 1995

RE: RECLAMATION FOR COYOTE #1 WELL
 SAN JUAN COUNTY UTAH
 T. 29 S., R. 24 E., SEC. 32
 STATE SURFACE/FEDERAL MINERALS

THERE IS AN ARCHAEOLOGICAL SITE LOCATED NEXT TO THE WELL SITE. THE SITE WAS FENCED TO PREVENT ACCESS FROM WELL SITE TRAFFIC.

THE PROCEDURES FOR CLOSURE OF THE RESERVE PIT WILL PROVIDED BY MR. GIL HUNT, DIVISION OF OIL, GAS AND MINING.

SURFACE RECLAMATION AND SEEDING WAS DISCUSSED WITH MR. JAN PARMENTER AT THE STATE OF UTAH, DIVISION OF STATE LANDS. BLM AND STATE LANDS CONCURRED ON THE PROCEDURES FOR SURFACE RESTORATION AND SEEDING.

1. THE RESERVE PITS WILL BE EFFECTIVELY FENCED AND THE TOP COVERED BY NET WIRE UNTIL THE PIT IS DRY.
2. THE FENCED ARCHAEOLOGICAL SITE WILL BE AVOIDED DURING RECLAMATION.
3. MR. JAN PARMENTER OF THE DIVISION OF STATE LANDS (801-259-6316), WILL BE NOTIFIED TWO DAYS PRIOR TO SEEDING.
4. THE WELL SITE WILL BE RE-CONTOURED TO APPROXIMATE THE SURROUNDING TERRAIN.
5. THE TOPSOIL AND ASSOCIATED VEGETATION WILL BE REDISTRIBUTED OVER THE CONTOURED AREA.
6. THE SOIL SURFACE WILL BE DRY AND LOOSE PRIOR TO SEEDING. IF THE SOIL SURFACE CAN NOT BE PENETRATED BY THE DRILL SEEDER, ADDITIONAL SCARIFICATION MAY BE REQUIRED FOR PROPER SEED BED PREPARATION.
7. THE LOCATION WILL BE DRILL SEEDED DURING THE MONTH OF NOVEMBER WITH THE FOLLOWING MIXTURE OF PURE LIVE SEED:

Crested wheatgrass	4 pounds/acre
Tall wheatgrass	3 pounds/acre
Indian ricegrass	3 pounds/acre
Fourwing saltbush	2 pounds/acre
Yellow sweetclover	<u>1 pound/acre</u>
	13 pounds/acre

8. AFTER RECLAMATION HAS BEEN COMPLETED, THE ARCHAEOLOGICAL PROTECTION FENCING WILL BE REMOVED.
9. THE ROAD IMPACTED BY WELL SITE CONSTRUCTION WILL BE RESTORED TO ITS PREVIOUS CONDITION.

BLM WILL PERIODICALLY CHECK RESERVE PITS AND ARCHAEOLOGICAL SITE TO ENSURE COMPLIANCE. ANY PROPOSED CHANGES IN RECLAMATION PROCEDURES WILL REQUIRE PRIOR APPROVAL BY JAN PARMENTER.

RICH MCCLURE, 801-259-2127

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

State - ML-45822

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other **DRY HOLE**

2. Name of Operator

Ampolex (Texas), Inc.

3. Address and Telephone No.

1050 17th Street, Suite #2500, Denver, CO 80265 (303) 595-9000

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**230' FNL & 590' FEL
NE NE Section 32-T29S-R24E**

8. Well Name and No.

Coyote Unit #1

9. API Well No.

43-037-31738

10. Field and Pool, or Exploratory Area

Undesignated

11. County or Parish, State

San Juan County, UT

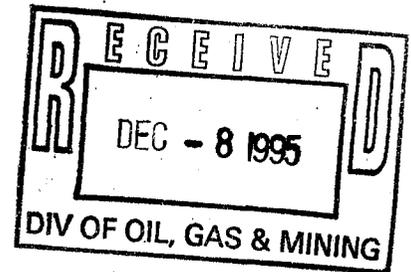
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input checked="" type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. Reserve pit has been backfilled and contents mixed with 275 tons of Bentonite.
2. Topsoil replaced and location re-contoured.
3. County road restored across wellsite.
4. The reclaimed areas (excluding roadway) were drill seeded using the seed mix provided by the Utah Divisio of State Lands. Completed on November 16, 1995.



cc: St. of Utah, Div. of Oil & Gas, and Division of State Lands

14. I hereby certify that the foregoing is true and correct

Signed Robert C. Arceneaux Title Senior Petroleum Engineer Date 06/November/1995

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Moab District
82 E. Dogwood, Suite M
Moab, Utah 84532

3160
(ML-45822)
(UT-065)

JAN 19 1996

Mr. Robert C. Arceneaux
Ampolex (Texas), Inc.
1050 17th Street, Suite #2500
Denver, Colorado 80265

Dear Mr. Arceneaux:

On December 8, 1995, we received the Sundry Notice (Form 3160-5) that you submitted as the final abandonment notice for the Coyote Unit #1 Well. The status of this well has been noted in our files for the Coyote Unit.

The Coyote Unit #1 Well was drilled on State of Utah surface and State minerals. The original drilling program indicated that the horizontal drilling would begin in the State of Utah mineral estate and penetrate Federal minerals. An Application for Permit to Drill (APD) was required to drill into the Federal mineral estate, and an APD was approved by the Bureau of Land Management (BLM) on April 20, 1994.

When the Coyote Unit #1 Well was drilled, the Federal mineral estate was not penetrated. The drilling occurred on State land, and drilling authorizations were under the jurisdiction of the Division of Oil, Gas, and Mining.

The Division of Oil, Gas, and Mining will process the final abandonment notice for the Coyote Unit #1 Well. We appreciate your notification of the status of this well site, and no additional approvals are required from BLM.

Please contact Eric Jones at (801) 259-6111 if any additional information is needed.

Sincerely,

/S/ WILLIAM C. STRINGER
Associate District Manager

cc: Mr. Frank R. Matthews
Utah Division of Oil, Gas, and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203