

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

2. NAME OF OPERATOR
 EP Operating Company 214/630-8711

3. ADDRESS OF OPERATOR
 7800 Stemmons Frwy., Suite 500 - Dallas, Texas 75247

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 1347' FSL & 2304' FWL (NE-SW)
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 18.5 miles SE of Blanding, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 336'

16. NO. OF ACRES IN LEASE 480

17. NO. OF ACRES ASSIGNED TO THIS WELL 80

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

19. PROPOSED DEPTH 6350' *Payroll*

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5390' GR

22. APPROX. DATE WORK WILL START* October, 1986

5. LEASE DESIGNATION AND SERIAL NO.
 Federal U-49991

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
 Alkali Point (Proposed)

8. FARM OR LEASE NAME
 Alkali Point ~~Unit~~

9. WELL NO.
 1-9

10. FIELD AND POOL, OR WILDCAT
 Wildeat UNDESIGNATED

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Section 9, T38S-R24E
 SLB&M

12. COUNTY OR PARISH 13. STATE
 San Juan Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	2200'	Circulate to Surface
7-7/8"	5-1/2"	17#	6350'	1000' of fill-top ~ 5350'

Proposed Operations:

Drill a 12-1/4 inch hole to 2200 feet, run and cement 8-5/8 inch casing in place. Install an 8-5/8 inch x 11 inch x 3000 psi wellhead and nipple-up the rig BOP equipment. Test ram preventers and surface equipment to 3000 psi. Test annular preventer to 1500 psi. Test casing to 1000 psi prior to drilling out. Drill a 7-7/8 inch hole to 6350 feet, run drill stem tests where shows dictate. Upon reaching T.D., run open hole radioactive and electric logs. If well proves productive run 5-1/2 inch casing to T.D. and cement in place. If well proves dry, plugs will be set per BLM and State of Utah instructions.

*See attached Drilling Program and Thirteen Point Surface Use Plan.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED C. H. Peoples TITLE Regional Drilling Manager DATE September 24, 1986

(This space for Federal or State office use)

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

RECEIVED
SEP 29 1986

APPROVED BY DATE: 10/21/86
 BY: [Signature]
 WELL SPACING: 302.1

TITLE _____ DATE _____

DIVISION OF OIL, GAS & MINING

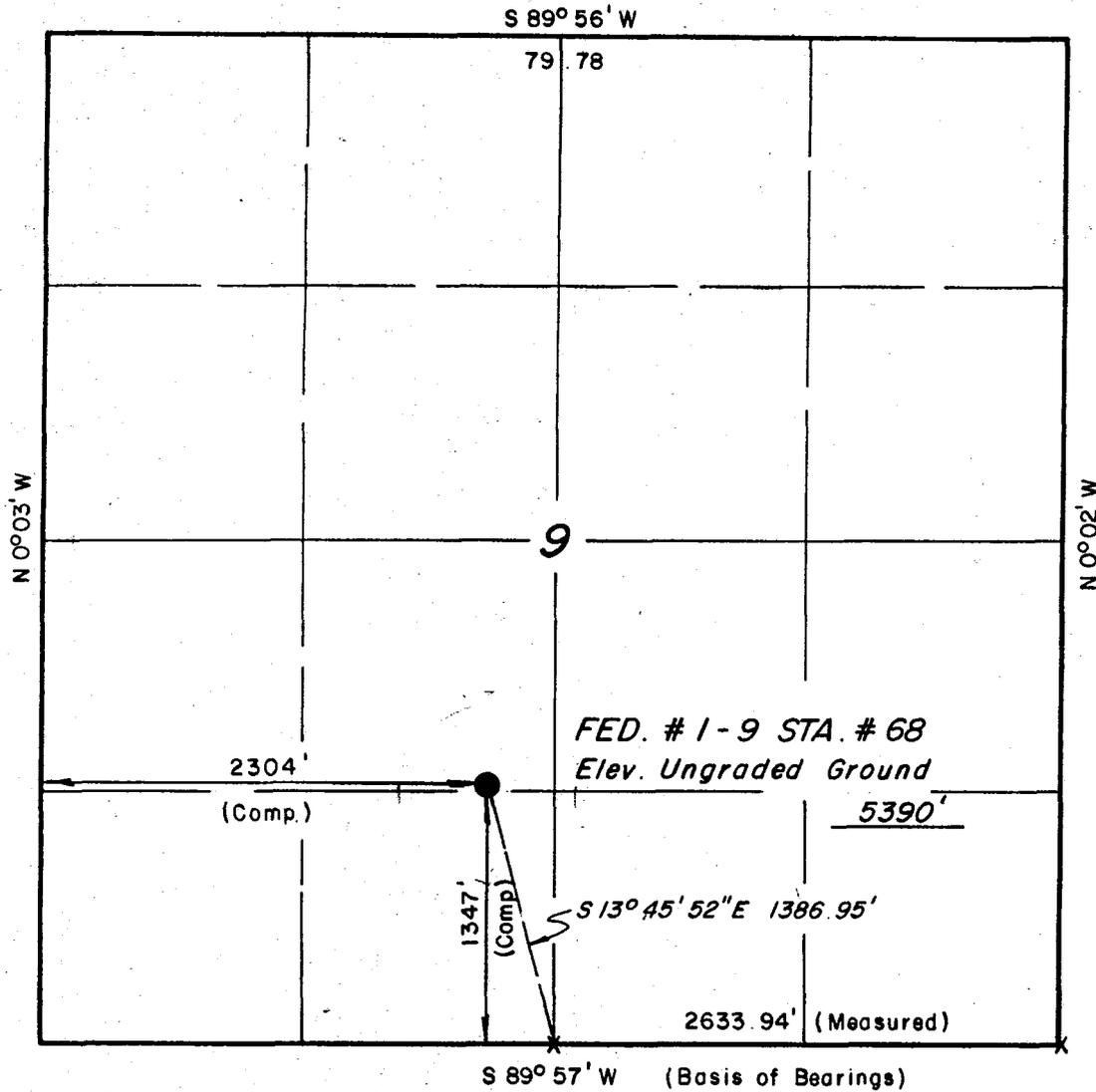
*See Instructions On Reverse Side

T 38 S, R 24 E, S.L.B.&M.

PROJECT
E.P. OPERATING CO.

Well location, FED. # 1-9 STA. # 68, located as shown in the NE 1/4 SW 1/4 Section 9, T 38 S, R 24-E, S.L.B. & M. San Juan County, Utah.

NOTE: Tie from Fed. # 1-9 Sta. # 68 to Dry Hole S 30° 30' 43" W - 770.69'



X = Section Corners Located



CERTIFICATE

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

Robert L. Kay

REGISTERED LAND SURVEYOR
REGISTRATION NO 5709
STATE OF UTAH

REVISED 9-15-86

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 9 / 9 / 86
PARTY RK TF BFW	REFERENCES GLO Plot
WEATHER Fair	FILE E.P. OPERATING CO.

LIST OF ATTACHMENTS

Conditions of Approval for Permit to Drill

- A. Drilling Program
- B. Thirteen Point Surface Use Plan

Minimum Blowout Preventer Requirements
Well Site Layout - Cuts and Fills
Topographic Maps - Directions to Location
Bonding

MOAB DISTRICT

CONDITIONS OF APPROVAL FOR PERMIT TO DRILL

COMPANY EP Operating Company WELL NAME Alkali Point Unit No. 1-9
LOCATION Section 9, T38S, R24E LEASE NO. U-49991
2304' FWL and 1347' FSL

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

A. Drilling Program

1. Surface Formation and Estimated Formation Tops:

<u>Formation Name</u>	<u>Estimated Top</u>
Morrison	Surface
Chinle	2040'
Cutler	2990'
Hermosa	4882'
Ismay	5850'
Desert Creek	6100'
Akah	6220'
Paradox Salt	6245'

2. Expected Depth at Which Oil, Gas, Water or Other Mineral Bearing Zones are Expected to be Encountered:

	<u>Formation</u>	<u>Depth</u>
Expected Oil Zones:	Ismay	5850'
	Desert Creek	6100'

Expected Gas Zones: Gas could be produced from oil zones.

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth, cased, and cemented. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment:

See Minimum Blowout Prevention Equipment - Exhibit "A"

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs. The San Juan Resource Area will be notified one (1) day before pressure testing. All BOP equipment will be tested to full working pressure with the exception of the annular preventer which will be tested to 50%.

Working pressure of blowout prevention equipment will be a minimum 3000 psi.

4. Casing Program and Auxiliary Equipment:

CASING PROGRAM

<u>Size</u>	<u>Grade</u>	<u>Weight</u>	<u>Condition</u>	<u>Depth</u>	<u>Cement Top</u>
8-5/8"	K55	24#	New	0' - 2200'	Surface
5-1/2"	K55	17#	New	0' - 6350'	1000' of fill (to 5350')

Anticipated cement tops will be reported as to depth, not the expected number of sacks. The San Juan Resource Area will be notified before running casing strings and cement. Casing will be tested to 0.2 psi/ft or 1000 psi, whichever is greater.

AUXILIARY EQUIPMENT

- (a) A lower kelly cock will be kept in the string.
- (b) A full opening safety valve will be kept on the floor to be stabbed into the drill pipe when the kelly is not in the string.
- (c) A mud logging unit with gas detecting equipment will be used from 4000 feet to total depth to monitor the mud system.

5. Mud Program and Circulating Medium:

<u>Depth Interval</u>	<u>Mud Type</u>	<u>Mud Weight (ppg)</u>	<u>Viscosity (sec./qt)</u>	<u>Water Loss (cc)</u>
0' - 2200'	Fresh Water Gel/Lime	8.6 - 9.0	32 - 40	NC
2200' - 4500'	Fresh Water Gel/Lime	8.6 - 9.2	36 - 40	NC
4500' - 6350'	Fresh Water/ Salt Water	9.0 - 11.0	36 - 45	8 - 15

Adequate stocks of sorptive agents and weighting materials will be on-site to handle any anticipated down-hole problems as well as possible spills of fuel and oil on the surface.

6. Coring, Logging and Testing Program:

Coring: None

Testing: Drill stem tests are anticipated for the Ismay and Desert Creek and will be run as shows dictate.

Logging: DIL/GR/SP T.D. to base of surface casing
 Sonic/GR/CAL T.D. to base of surface casing
 CN/CD/GR/Cal T.D. to 4000'

6. Coring, Logging and Testing Program - continued

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 not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analysis, 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. If requested, samples (cuttings, fluids, and/or gases) will be submitted to the District Office.

7. Abnormal Conditions, Bottom Hole Pressure and Potential Hazards:

Anticipated Bottom Hole Pressure: ± 2000 psi

There have been no major potential hazards or abnormal conditions reported on area wells. Water flows have been encountered on some wells but have been easily controlled by increasing mud weights with either salt (NaCl) or barite. Both agents will be maintained in stock on location.

8. Anticipated Starting Dates and Notifications of Operations:

The operator will contact the San Juan Resource Area at - 801/587-2141, forty-eight (48) hours before beginning any dirt work.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the San Juan Area Manager, a minimum of 24 hours before spudding. A Sundry Notice (Form 3160-5) will be sent within 24 hours after spudding, reporting the spud date and time. The Sundry will be sent to the District Manager. If the spudding is on a weekend or holiday, the Sundry will be submitted on the following regular work day.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations begin and continue each month until the well is physically plugged and abandoned. This report will be sent to the BLM District Office, P. O. Box 970, Moab, Utah 84532.

8. Anticipated Starting Dates and Notifications of Operations - continued

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

If a replacement rig is planned for completion operations, a Sundry Notice (Form 3160-5) to that effect will be filed, for prior approval of the District Manager. All conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergencies, verbal approval can be given by the District Petroleum Engineer.

If the well is successfully completed for production, then the District Manager will be notified when the well is placed in a producing status. Such notifications will be sent by telegram or other written communication, not later than 5 business days following the date on which the well is placed on production.

No well abandonment operations will begin without the prior approval of the District Manager. In the case of newly drilled dry holes or failures, and in emergencies, oral approval will be obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5), will be filed with the District Manager, within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration.

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 San Juan Area Manager, or the appropriate surface manager.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The following information will be permanently beaded-on with a welding torch: Fed, Well Number, location by $\frac{1}{4}$ section, township and range, Lease Number.

A first production conference will be scheduled within 15 days after receipt of the first production notice. The San Juan Area Manager will schedule the conference.

8. Anticipated Starting Dates and Notifications of Operations - continued

OTHER: Anticipate beginning operations as soon as APD is approved, wish to commence by mid October, 1986.

The following may be inspected and/or witnessed:

1. The cementing and testing of surface casing, testing BOP's.
2. (Dry Hole) setting and testing of surface casing shoe plug.
3. (Depleted Producer) the setting and testing of plugs across producing horizon and if applicable the surface casing shoe plug and/or annulus (casing to formation) squeeze jobs.

Notify the San Juan Resource area (Mike Wade) one day or on dry hole as soon as possible prior to the above at (801) 587-2141 (Home) - (801) 587-2026 or if unable to reach Mike, call Moab District Office - Greg Noble at (801) 259-6111 - Home: (801) 259-8811.

B. THIRTEEN POINT SURFACE USE PLAN

1. Existing Roads: See Attached Map

- a. Proposed well is located 18.5 miles southeast of Blanding, Utah
- b. Route: Proceed on County Road east and south for 16.6 miles to the point where an existing gravel road exits to the south-east. Follow this road south-east 1.3 miles to the proposed access road. Follow proposed access road 0.6 miles to the proposed drill site.
- c. Existing roads will be maintained in present condition.
- d. An encroachment permit will be obtained from the San Juan County Road Department.

2. Planned Access Roads: See Attached Map

- a. The maximum total disturbed width will be 30 feet for 0.6 miles.
- b. Maximum grade: Less than 7 percent
- c. Turnouts: As needed
- d. Location (centerline): Has been flagged
- e. Drainage: As needed
- f. Surface Materials: If access is utilized during wet winter weather, road surfacing may be required to prevent road maintenance problems.

Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance by the San Juan Manager.

The access road will be water barred or brought to Class III Road Standards within 60 days of dismantling of the drilling rig. If this time frame cannot be met, the San Juan Area Manager will be notified so that temporary drainage control can be installed along the access road.

The Class III Road Standards which ensure drainage control over the entire road through the use of natural, rolling topography; ditch turnouts; drainage dips; outsloping; crowning; low water crossings; and culverts will be determined at the appropriate field inspection.

3. Location of Existing Wells: 1 mile radius

Abandoned Wells -

- a. Well Name: Bug Canyon No. 1
Operator: H. K. Bartlett
Location: SE-SW Section 9, T38S-R24E
- b. Well Name: Cave Canyon No. 1
Operator: Mountain Fuel Supply
Location: SE-SW Section 10, T38S-R24E
- c. Well Name: Grayberg-State No. 1
Operator: Columbine Exploration
Location: SE-NE Section 16, T38S-R24E

4. Location of Tank Batteries and Production Facilities:

All permanent (on site for 6 months or longer) above ground facilities (including pump jacks) will be painted a flat, nonreflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5-State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The color will be neutral.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.

All loading lines will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

4. Location of Tank Batteries and Production Facilities - continued

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place before any deliveries. Tests for meter accuracy will be conducted monthly for the first 3 months on new meter installations and at least quarterly thereafter. The San Juan Area Manager will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the San Juan Area Manager. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

5. Location and Type of Water Supply:

All water need for drilling purposes will be obtained from private sources. A temporary water use permit will be obtained from the Utah State Engineer. Permission will be obtained from landowners of the surface management agency to use the land containing the water source.

6. Source of Construction Material:

Pad Construction material will be obtained from native materials.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3. Construction material will be located on lease.

7. Methods of Handling Waste Disposal:

The reserve pit will be lined with commercial bentonite sufficient to prevent seepage. At least half of the capacity will be in cut.

Three sides of the reserve pit will be fenced with four strands of barbed wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

A trash pit will be constructed near the mud tanks and dug at least six feet into solid undisturbed material. It will be totally enclosed with a fine wire mesh before the rig moves in. The road and pad will be kept litter free.

A burning permit will be obtained from the San Juan County Sheriff (801) 587-2237 if trash burning is to occur between May 1 and October 31.

Produced waste water will be confined to a lined 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 the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).

8. Ancillary Facilities:

Camp facilities will not be required. Temporary trailers will be moved on to house the tool pusher, company personnel and the mud logger.

9. Well Site Layout: See Attached Layout

The reserve pit will be located on the west side.

The top 6 inches of soil material will be removed from the location and stockpiled separate from the trees on the east side. Topsoil along the access will be reserved in place.

Access to the well pad will be from the south.

10. Reclamation:

- a. Immediately on completion of drilling, all trash and debris will be collected from the location and surrounding area. All trash and debris will be disposed of in the trash pit and will then be compacted and buried under a minimum of two feet of compacted soil.
- b. The operator/holder or his contractor will contact the San Juan Resource Area office in Monticello, Utah, 801/587-2141, 48 hours before starting reclamation work that involves earth-moving equipment and upon completion of restoration measures.
- c. Before any dirt work to restore the location takes place, the reserve pit must be completely dry.
- d. All disturbed areas will be recontoured to blend as nearly as possible with the natural topography. This includes removing all berms and refilling all cuts.
- e. The stockpiled topsoil will be spread evenly over the disturbed area. All disturbed areas will be ripped 12 inches deep with the contour.
- f. Water bars will be built as follows to control erosion.

<u>Grade</u>	<u>Spacing</u>
2%	Every 200 feet
2-4%	Every 100 feet
4-5%	Every 75 feet
5+%	Every 50 feet

- g. Seed will be broadcast between October 1 and February 28 with the following prescription. A harrow or similar implement will be dragged over the area to assure seed cover.

10. Reclamation: continued

g. continued

2 lbs/acre Fourwing saltbush (*Atriplex canescens*)

2 lbs/acre Desert bitterbrush (*Purshia glandulosa*)

1 lbs/acre Yellow Sweet Clover

h. After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed areas. The access will be blocked to prevent vehicular access.

i. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed as described in the reclamation section. Enough topsoil will be kept to reclaim the remainder of the location at a future date. This remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.

11. Surface Ownership: Federal

Mineral Ownership: Federal

12. Other Information:

A cultural resource survey was conducted at the onsite and clearance was granted. The survey report will be submitted to the BLM.

There will be no change from the proposed drilling and/or work-over program without prior approval from the District Manager. Safe drilling and operating practices must be used. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

The dirt contractor will be provided with an approved copy of the surface use plan.

If subsurface cultural materials are exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. All people who are in the area will be informed by the operator/holder that they are subject to prosecution for disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will be done by a BLM approved archaeologist only if damage occurs.

12. Other Information - continued

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

Your contact with the District Office is:

Mr. Greg Noble

Office Phone: 801/259-6111

Address: P. O. Box 970, Moab, Utah 84532

Resource Manager's address and contacts: P. O. Box 7, Monticello, UT
84532

Your Contact is: Mr. Rich McClure

Office Phone: 801/587-2141 or 801/587-2142

13. Lessee's or Operators Representative and Certification:

Representative

Name: Mr. C. H. Peeples

Address: 7800 Stemmons Frwy., Suite 500 - Dallas, Texas 75247

Phone No.: 214/630-8711

CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by

EP Operating Company

Operator's Name

and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

9/25/86
Date

C. H. Peeples Regional Dir. Mgr.
Name and Title

C. H. Peeples

ON-SITE

DATE: 9/12/86

MEK/hrs
9-25-86

ENSERCH EXPLORATION, INC
MINIMUM REQUIREMENTS FOR BLOW-OUT PREVENTION EQUIPMENT
3000 psi W. P.

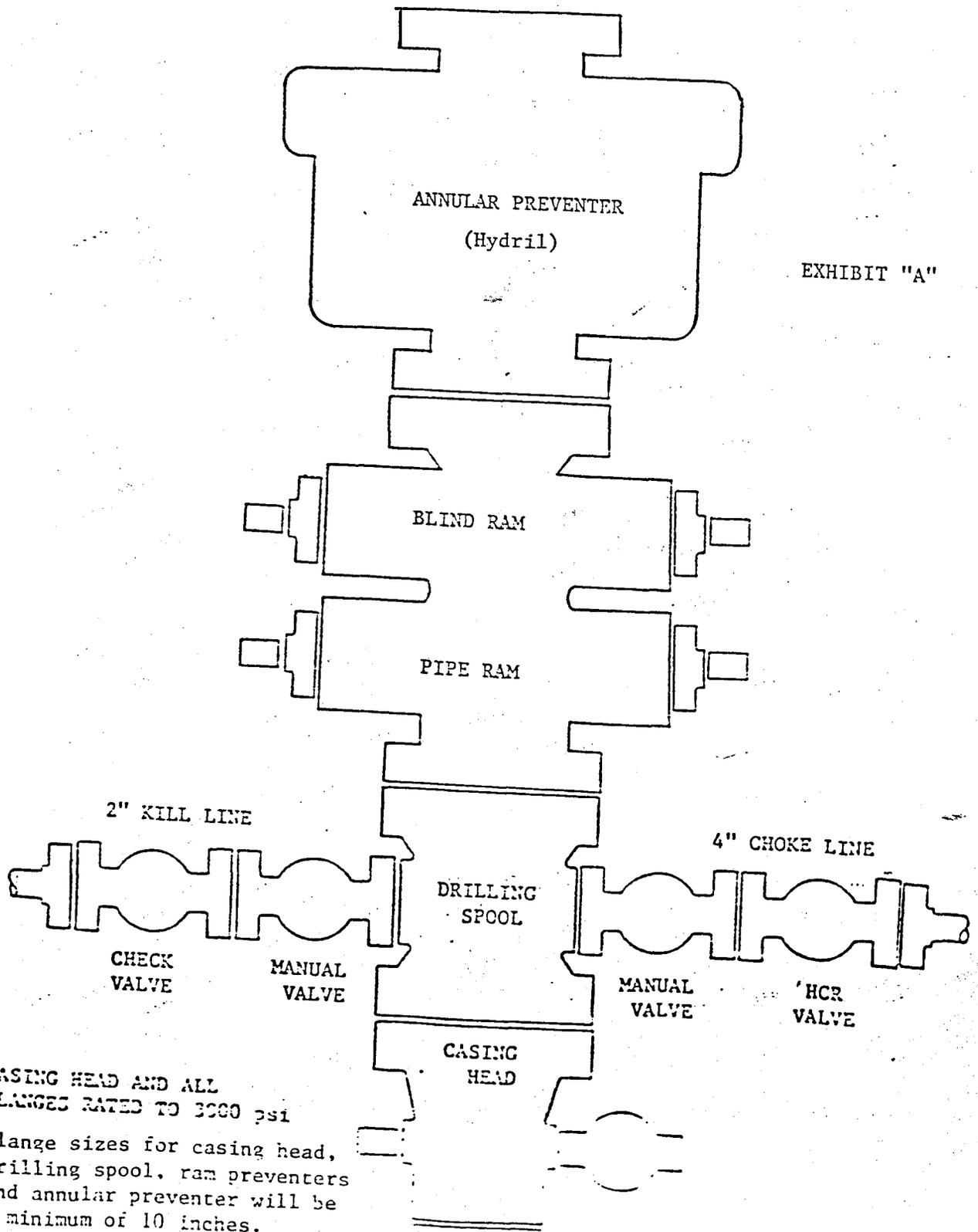


EXHIBIT "A"

CASING HEAD AND ALL
FLANGES RATED TO 3000 psi
Flange sizes for casing head,
drilling spool, ram preventers
and annular preventer will be
a minimum of 10 inches.

MINIMAL REQUIREMENTS FOR CHOKE MANIFOLD

3000 psi W. P.

EXHIBIT "A" Continued

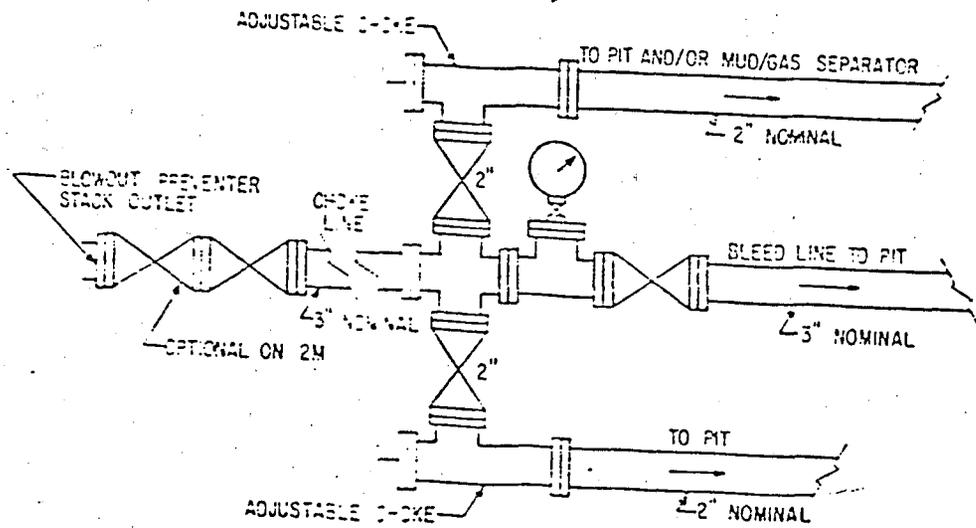


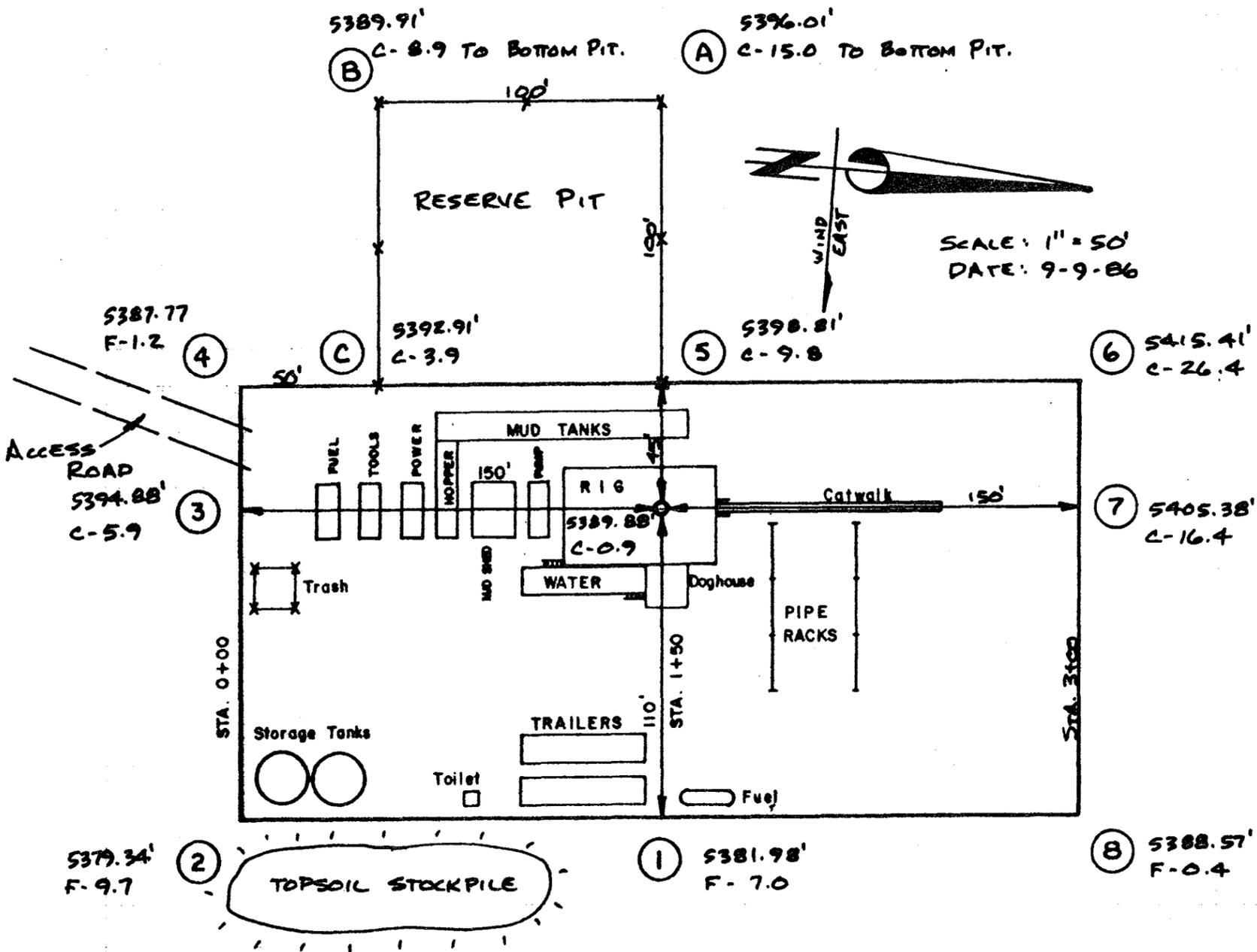
FIG. 3.A.1

TYPICAL CHOKE MANIFOLD ASSEMBLY
FOR 2M AND 3M RATED WORKING
PRESSURE SERVICE - SURFACE INSTALLATION

E.P. OPERATING CO.

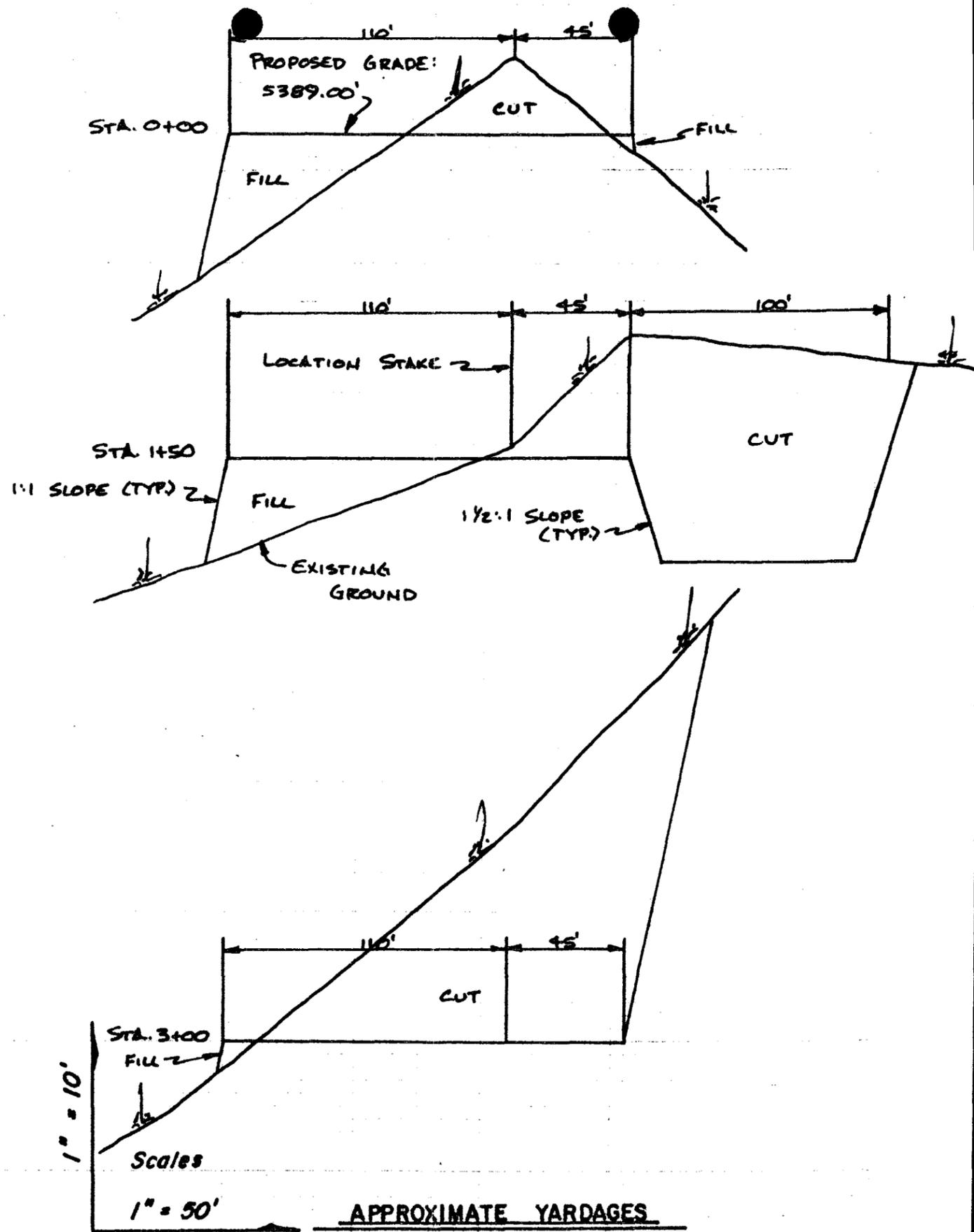
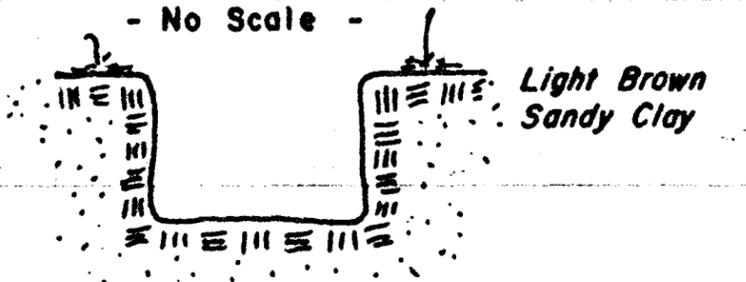
ALKALI POINT UNIT #1-9

LOCATION LAYOUT & CUT SHEET



SOILS LITHOLOGY

- No Scale -



APPROXIMATE YARDAGES

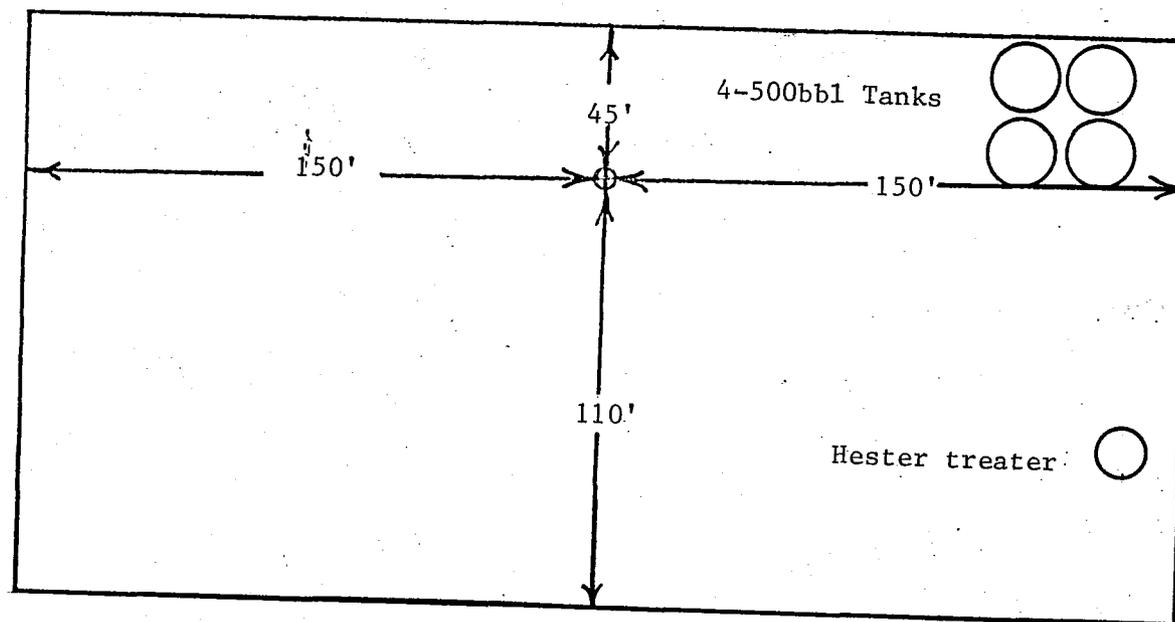
Cubic Yards Cut = 15,660

Cubic Yards Fill = 3,300

LOCATION OF PRODUCTION FACILITIES
E.P. OPERATING COMPANY

Alkali Point Unit No.1-9

scale: 1"=50'



E.P. OPERATING CO.

ALKALI POINT UNIT #1-9

PROPOSED LOCATION

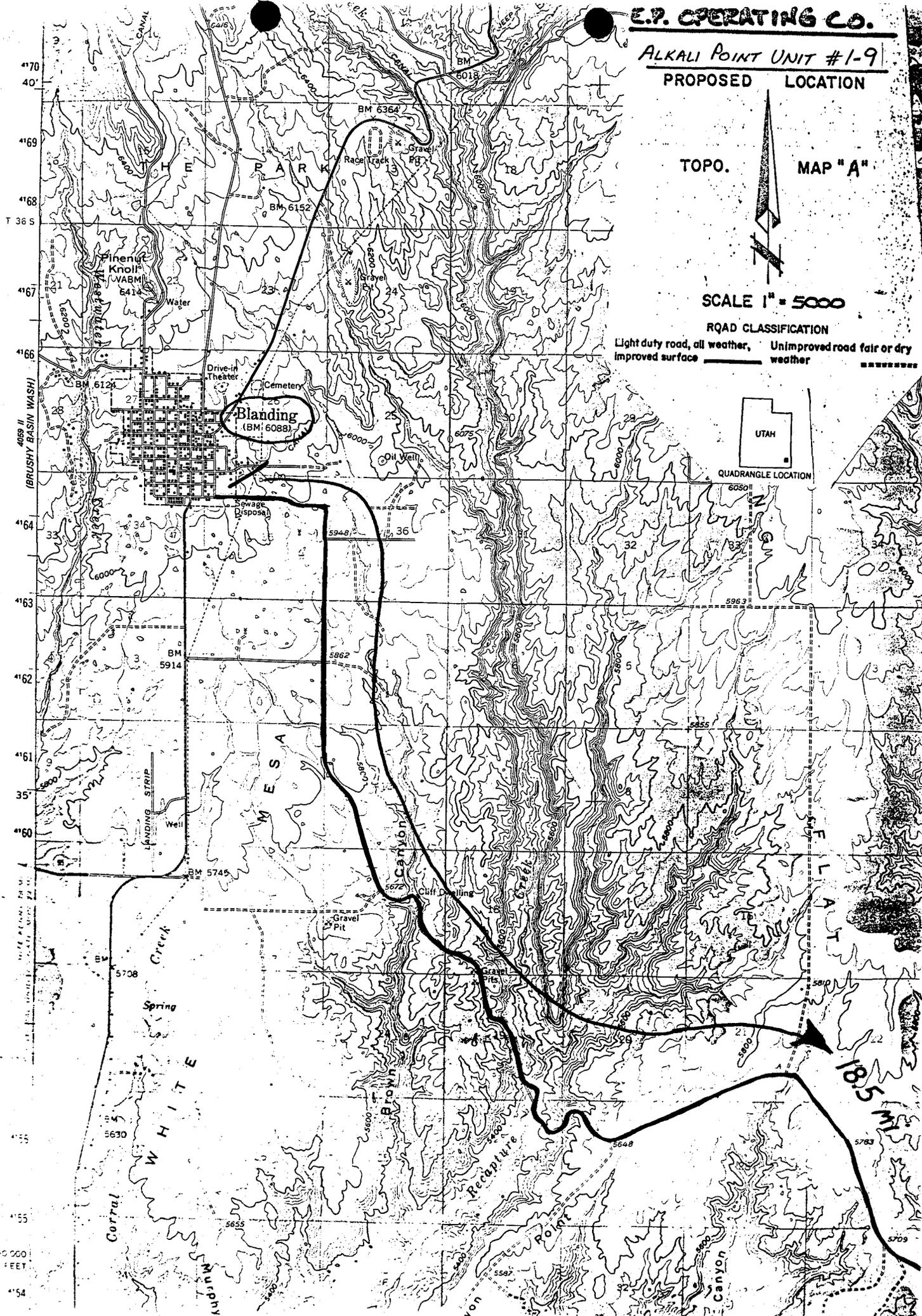
TOPO. MAP "A"

SCALE 1" = 5000

RQAD CLASSIFICATION
Light duty road, all weather, improved surface  Unimproved road fair or dry weather 



QUADRANGLE LOCATION



Blanding
(BM: 6088)

18.5 MI

409 II (BRUSHY BASIN WASH)

2000 FEET

E.P. OPERATING CO.

ALKALI POINT UNIT #1-9

PROPOSED LOCATION

TOPO.

MAP "B"

SCALE 1" = 5000

ROAD CLASSIFICATION

Light duty road, all weather, improved surface Unimproved road fair or dry weather

UTAH

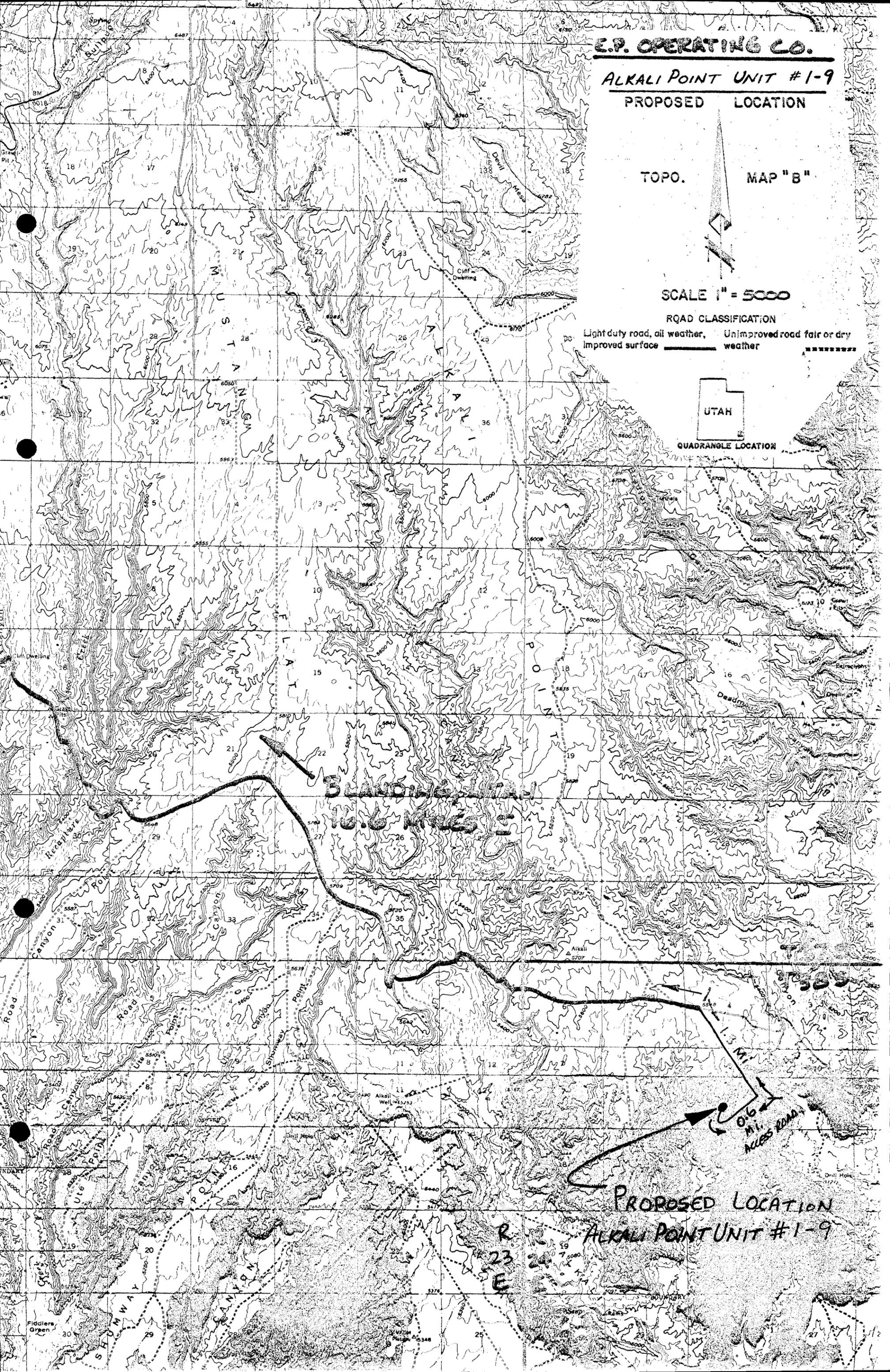
QUADRANGLE LOCATION

BOUNDARY LINE
16.0 MILES E

PROPOSED LOCATION
ALKALI POINT UNIT #1-9

R. 23 E

0.6 MI. ACCESS ROAD



BONDING

EP Operating Company, holds a nationwide oil and gas bond in the amount of \$150,000 filed with the United States Department of the Interior, Bureau of Land Management.

BOND NUMBER: MKO 2883958

ISSUED: May 16, 1985



ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

P.O. Box 853 Bountiful, Utah 84010
Tel: (801) 292-7061, 292-9668

RECEIVED
SEP 24 1986

September 22, 1986

**DIVISION OF
OIL, GAS & MINING**

Subject: CULTURAL RESOURCE EVALUATIONS OF THREE ALTERNATIVE WELL LOCATIONS IN THE ALKALI POINT LOCALITY OF SAN JUAN COUNTY, UTAH

Project: Enserch Exploration Company: Federal Unit No. 1-9

Project No.: EEC-86-2

**Permit No.: Dept. of Interior 85-Ut-54937
Utah State Number U-86-AF-610b**

**To: Mr. Dusty Kinchen, Enserch Exploration, Inc.,
P.O. Box 2649, Dallas, Texas 75221**

**Mr. Edward Scherick, Area Manager, Bureau of
Land Management, P.O. Box 1327, Monticello,
Utah 84535**

**Ms. Arleen Sollis, Utah State Division of Oil,
Gas & Mining, 3 Triad Center, Suite 350, Salt
Lake City, Utah 84180-1203**

**Info: Antiquities Section, Division of State History,
300 Rio Grande, Salt Lake City, Utah 84101**

**Mr. Rich Fike, BLM State Archeologist, Bureau
of Land Management, CFS Financial Center Bldg.,
324 South State, Salt Lake City, Utah 84111-
2303**

Summary Report of
 Inspection for Cultural Resources

EN SERCH ALTERNATES - FEDERAL 1 - 9

1. Report Title 11 Enserch Exploration 1986 Drilling Program in San Juan
 2. Development Company County, Utah
 0.9 22 1986 85-UT-54937
 3. Report Date 41 42 43 46
 4. Antiquities Permit No. _____
 5. Responsible Institution A E R C E E C - 8 6 - 2 San Juan
 County _____
 6. Fieldwork 3 8 S 2 4 E 0 9
 Location: TWN RNG Section. . . | . . | . . | . . | . . |
 62 65 66 69 70 71 72 73 74 75 76 77
 7. Resource Area TWN RNG Section. . . | . . | . . | . . | . . |
 S J 78 81 82 85 86 87 88 89 90 91 92 93
 110 111 TWN RNG Section. . . | . . | . . | . . | . . |
 94 97 98 101 102 104 106 108

8. Description of Examination Procedures:
 The archeologist, P.R. Hauck, walked a series of 15 meter wide transects to evaluate the three localities where these proposed well alternate locations had been staked. Two 15 meter wide transects flanking the flagged centerlines were walked to examine access route possibilities. These evaluations of the proposed alternative well locations were conducted during the on-site inspection.

9. Linear Miles Surveyed 5
 and/or 112 117
 Definable Acres Surveyed
 and/or 118 123
 Legally Undefinable Acres Surveyed 10
 124 129
 10. Inventory Type I
 130
 R = Reconnaissance
 I = Intensive
 S = Statistical Sample

11. Description of Findings:
 No cultural resource materials or activity loci were observed or recorded during the evaluation. Site 428a 15425 was identified and found to be well outside the development areas of the three alternative locations.
 12. Number Sites Found 0
 (No sites = 0) 131 135
 N

13. Collection:
 Y = Yes, N = No) 136
 14. Actual/Potential National Register Properties Affected:
 The National Register of Historic Places has been consulted and no registered properties will be affected by the proposed development.

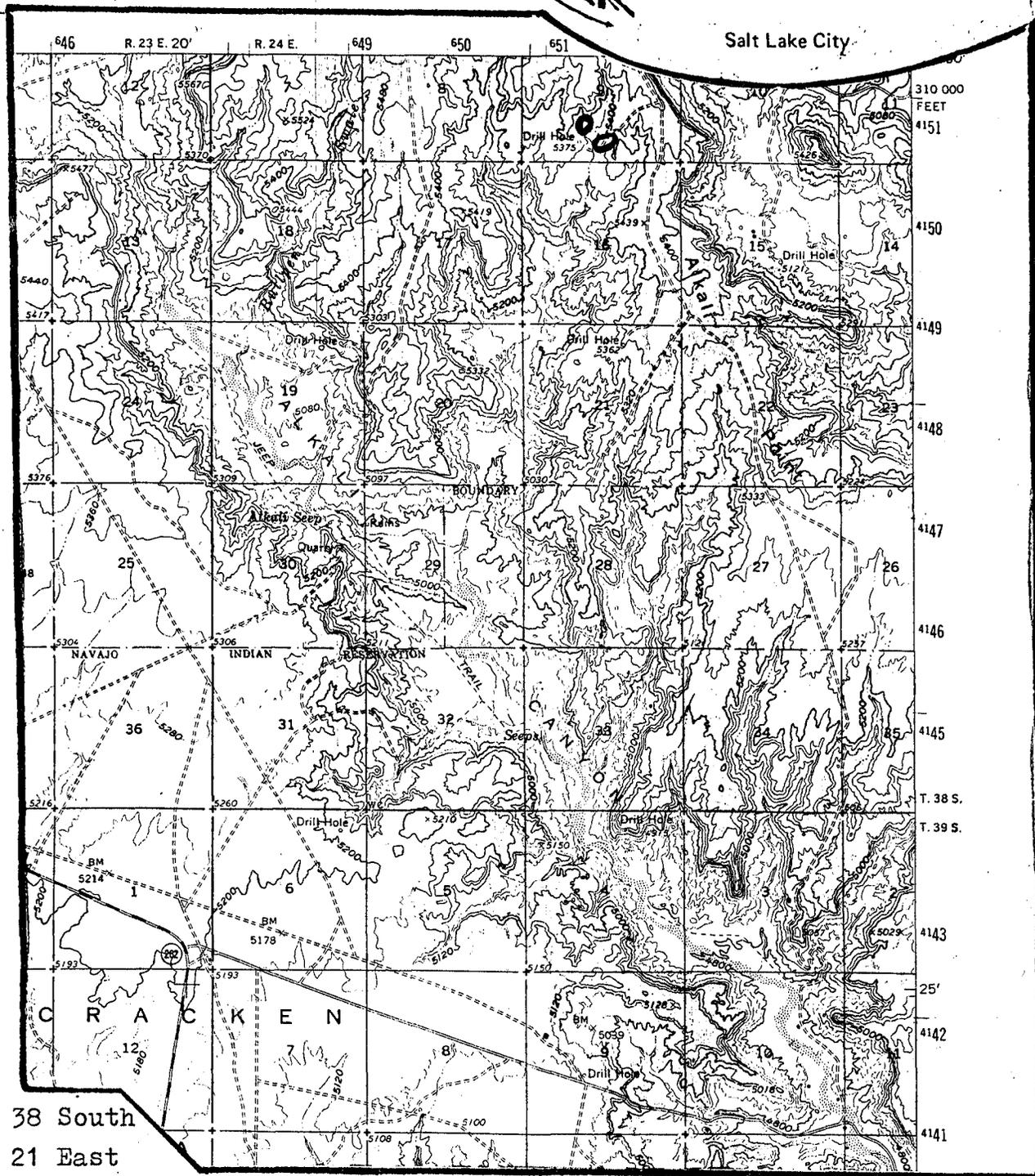
15. Literature Search, Location/ Date: Utah SHPO - 9-17-86
 BLM Office in Monticello- 9-12-86

16. Conclusion/ Recommendations:
 AERC recommends that a cultural resource clearance be granted to Enserch Exploration, Inc., based upon adherence to the following stipulations: (see reverse)

17. Signature of Administrator & Field & Field Supervisor
 Administrator J. R. Hauck
 Field Supervisor J. R. Hauck

16. continued:

1. All vehicular traffic, personnel movement, and construction should be confined to the locations examined as referenced in this report, and to the existing roadways and/or evaluated access routes.
2. All personnel should refrain from collecting artifacts and from disturbing any cultural resources in the area.
3. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the construction area.



T. 38 South
R. 21 East

Meridian: Salt Lake B. & M.

Quad:

Montezuma Creek,
Utah
15 minute-USGS

Project: EEC-86-2
Series: San Juan
Date: 9-22-86

Cultural Resource Survey
of Alternative Locations
for the Federal Unit No.
1-9 in the Alkali Point
Area

Legend:

Alternative
Well Locations



1" = 1 mile
Scale

00

FILING FOR WATER IN THE STATE OF UTAH

APPLICATION TO APPROPRIATE WATER

031102

Rec. by AY
 Fee Paid \$ 15.00
 Platted 21193
 Microfilmed _____
 Roll # _____

expire
 10-10-87

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

WATER USER CLAIM NO. 09 - 1485

APPLICATION NO. T62100

1. PRIORITY OF RIGHT: October 2, 1986

FILING DATE: October 2, 1986
 RECEIVED

2. OWNER INFORMATION

Name: EP Operating Company
 Address: 7800 Stemmons Freeway, Dallas, TX 75247
 The land is not owned by the applicant(s), see explanatory

OCT 08 1986

WATER RIGHTS
 SALT LAKE

3. QUANTITY OF WATER: 4.0 acre feet (Ac. Ft.)

4. SOURCE: San Juan River DRAINAGE: San Juan River

POINT(S) OF DIVERSION:

COUNTY: San Juan

(1) N. 160 feet, W. 1100 feet, from the SW Corner of Section 32,
 Township 40 S, Range 24 E, SLB&M

Description of Diverting Works: Pump and tank trucks

COMMON DESCRIPTION: Montezuma Creek

5. NATURE AND PERIOD OF USE

Oil Exploration From October 15 to October 15.

6. PURPOSE AND EXTENT OF USE

Oil Exploratio: Drilling fluid

#1-9

43-037-31280 - PA

7. PLACE OF USE

The water is used in all or parts of each of the following legal subdivisions.

TOWN RANGE SEC	North East Quarter				North West Quarter				South West Quarter				South East Quarter				
	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	
38 S 24 E 09																	X

All locations in Salt Lake Base and Meridian

EXPLANATORY

The land involved is owned by the USA and is administered by the Dept. of Interior, Bureau of Land Management, Moab District Office, Moab, Utah and San Juan Resource Area Office, Monticello, Utah.

The well to be drilled is the Alkali Point Unit No. 1 Well.

Appropriate

OPERATOR E P Operating Company DATE 9-29-86
WELL NAME Alkali Point #1-9
SEC ^{NE} SW 9 T 38s R 24E COUNTY San Juan

42 037-31280
API NUMBER

Fed.
TYPE OF LEASE

CHECK OFF:

- PLAT
- BOND
- NEAREST WELL
- LEASE
- FIELD
- POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other wells within 920'
Exceptional location request rec'd 10/17/86
need water permit

APPROVAL LETTER:

SPACING: 203 _____ UNIT 302
 _____ CAUSE NO. & DATE 302.1

STIPULATIONS:

1- Water



TXP Operating Company

A Limited Partnership

Transco Exploration Company, Managing General Partner

One United Bank Center
1700 Lincoln, Suite 2100
Denver, Colorado 80203
303-863-3600

October 14, 1986

E P Operating Company
1700 Lincoln Street
Suite 3600
Denver, Colorado 80203

ATTN: Jeff Jones

RE: Alkali Point Unit #1 Well
1,347 feet FSL, 2,304 feet FWL
Township 38 South, Range 24 East
Section 9
San Juan County, Utah

Gentlemen:

You have informed us that the State of Utah will not approve the above location for your Alkali Point Unit #1 Well because it is only 336 feet from the lease line of U-49883 instead of the required 460 feet as prescribed by Utah State regulations.

This letter shall serve as TXP Operating Company's written permission for E P Operating Company's exception location as referenced above.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Steven W. Curtis'.

STEVEN W. CURTIS
Regional Land Manager

SWC:DLA:amr

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

STATE OFFICE: Salt Lake City, Utah
SERIAL NO.: U-49991

and hereby designates

NAME: EP Operating Company, a limited partnership
ADDRESS: 1700 Lincoln Street, Suite 3600
Denver, Colorado 80203

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160) with respect to (describe acreage to which this designation is applicable):

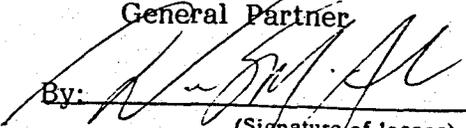
Township 38 South, Range 24 East, SLM, Utah
Section 9: SW/4
San Juan County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the authorized officer of any change in the designated operator.

TXP OPERATING COMPANY, a limited partnership
By: Transco Exploration Company, its Managing
General Partner

By: 

(Signature of lessee)

Wade S. McAlister, Vice President - Land
1700 Lincoln Street, Suite 2100
Denver, Colorado 80203

SWC SE

October 3, 1986

(Date)

(Address)

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and thereto does not require OMB approval.

JOAN CHORNEY

SUITE 1000
555 SEVENTEENTH STREET
DENVER, COLORADO
80202-3910

TELEPHONE 303/293-2575

October 16, 1986

EP Operating Company
1700 Lincoln, Suite 3600
Denver, Colorado 80203

Attention: Jeff Jones

Re: Your Proposed Alkalai Unit
Well #1-9
Township 38 South, Range 24 East
Sec. 9: 2304 FWL, 1347 FSL
San Juan County, Utah

Gentlemen:

You advised that the captioned location is contrary to the rules and regulations of the State of Utah and have asked if we had any problems with this location.

This is to advise that I do not object to your well at the captioned location. By copy of this letter, you should advise the proper agency of the State of Utah that I have no objection to your location.

Yours very truly,



Joan Chorney

JC:cs

RECEIVED

OCT 17 86

ENSERCH EXPLORATION, INC.
RKY. MTN. AREA

**ENSERCH
EXPLORATION** INC.

7800 Stemmons Frwy.
Suite 500
Dallas, Texas 75247
214/630-8711

C. H. Peebles
Regional Drilling Manager
Western Region
Drilling Department

October 15, 1986

State of Utah
Department of Natural Resources
Board of Oil, Gas and Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

RECEIVED
OCT 17 1986

**DIVISION OF
OIL, GAS & MINING**

Re: Request for Location Exception
Alkali Point Unit No. 1-9
Section 9, T-38-S, R-24-E
1347' FSL & 2304' FWL
San Juan County, Utah

Dear Sirs:

The location of the captioned well as submitted in the Application for Permit to Drill has been determined by your office to be illegal based on Rule C-3, General Well Spacing Requirements; i.e., the location is less than 500 feet from the quarter-quarter section lines. An exception to this rule is requested for the following reasons.

The wellsite as staked falls in the optimum location both topographically and geologically. The terrain in the area of a legal wellsite is very rough and would make construction costs prohibitive. Geologically, the play is based on seismic leads and offset well information and, taking into account the terrain, the location staked provides the optimum drill site for encountering a producible horizon.

In addition, this is to be the initial well drilled in the Alkali Point Unit which is currently pending approval by the Bureau of Land Management. It is anticipated that unit approval will be obtained before the end of October, 1986. In order to save specific leases included in this unit, this well must be spudded no later than October 31, 1986.

E. P. Operating Company controls, the entire SW 1/4 of Section 9 by virtue of a Designation of Operator from TXP Operating Company (see attachment). Other leases falling within a radius of 660 feet concern portions of the W/2 of the SE/4 in Section 9 which are controlled by Joan Chorney and TXP Operating Company. Approvals have been obtained from both operators to drill at the location as staked. Letters of approval are being obtained and will be forwarded at the earliest opportunity.

State of Utah
Request for Location Exception
Alkali Point Unit No. 1-9
San Juan County, Utah
October 15, 1986
Page No. 2

This exception is being sought to facilitate the approval of our Application for Permit to Drill. As mentioned, we anticipate approval of the Alkali Point Unit soon, however; the Bureau of Land Management has approved our APD on a lease basis in order that we may begin operations.

In light of our rapidly approaching lease commitment deadlines, your timely consideration and granting of this exception request is greatly appreciated. If there are any questions or if additional information is required, please advise.

Very truly yours,



C. H. Peeples
Regional Drilling Manager,
for EP Operating Company,
a limited partnership by
Enserch Exploration, Inc.,
Managing General Partner

CHP/pdl

Attachment



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

October 17, 1986

EP Operating Company
7800 Stemmons Freeway, Suite 500
Dallas, Texas 75247

Gentlemen:

Re: Alkali Point 1-9 - NE SW Sec. 9, T. 38S, R. 24E
1347' FSL, 2304' FWL - San Juan County, Utah

Approval to drill the referenced well is hereby granted in accordance with Rule 302.1, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

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

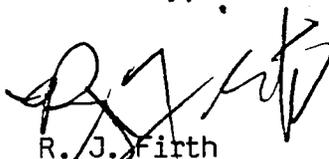
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule 311.3, Associated Gas Flaring, Oil and Gas Conservation General Rules.

Page 2
EP Operating Company
Alkali Point 1-9
October 17, 1986

5. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable State and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 533-6163.
6. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31280.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
D. R. Nielson

8159T

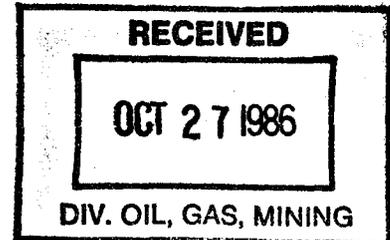
**ENSERCH
EXPLORATION** INC.

103104

7800 Stemmons Frwy.
Suite 500
Dallas, Texas 75247
214/630-8711

C. H. Peoples
Regional Drilling Manager
Western Region
Drilling Department

October 21, 1986



State of Utah
Department of Natural Resources
Board of Oil Gas and Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180
Attn: Arlene Sollis

Re: Location Exception Letters
Alkali Point Unit No. 1-9
Section 9, T38S-R24E
San Juan County, Utah

Attached are letters of consent from TXP Operating Company and Joan Chorney as referenced in our letter dated October 15, 1986. If there are any questions or if additional information is required, please advise.

Very truly yours,

C. H. Peoples/BV

C. H. Peoples
Regional Drilling Manager,
for EP Operating Company
a limited partnership by,
Enserch Exploration, Inc.,
Managing General Partner

MEK/hrs
Attach

DIVISION OF OIL, GAS AND MINING

103111

SPUDDING INFORMATION

API #43-037-31280

NAME OF COMPANY: E P OPERATING COMPANY

WELL NAME: ALKALI POINT 1-9

SECTION SE SW 9 TOWNSHIP 38S RANGE 24E COUNTY San Juan

DRILLING CONTRACTOR Exeter

RIG # 68

SPUDDED: DATE 10-28-86

TIME 5:30 PM

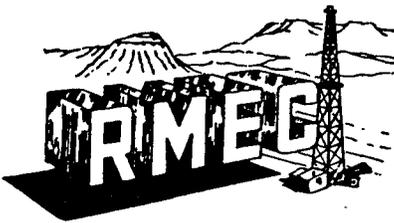
HOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Robert Dutton

TELEPHONE # (214) 630-8711

DATE 10-28-86 SIGNED JRB



ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81501

COMPANY EP OPERATING

WELL NO. ALKALI POINT 1-9

LOCATION S9 - T38S - R24E, SAN JUAN, UT

ZONE OF INTEREST NO. 1
Upper Ismay

INTERVAL: From 6013 To 6017

DRILL RATE: Abv 5 m/ft Thru 3.5 m/ft Below 6 m/ft

MUD GAS-CHROMATOGRAPH DATA

	TOTAL	C ₁	C ₂	C ₃	C ₄	C ₅	OTHER
Before	2	80	47	57	TR	.	
During	9	2880	1441	741	678		
After	3	640	511	285	156		

Type gas increase: Gradual Sharp

Gas variation within zone: Steady Erratic Increasing Decreasing

CARBIDE HOLE RATIO: $\frac{\text{GRAMS}}{\text{READING}}$ X Min. in Peak = _____ Sensitivity: Poor Fair Good

FLUO: Mineral Even Spotty CUT: None Streaming
 None % in total sample 20 Poor Slow bcmg
 Poor Fair Mod
 Fair % in show lithology _____ Good Fast
 Good COLOR: fnt dul yel COLOR: gnyel dul

STAIN: None Poor Fair Good Live Dead Residue Even Spotty Lt. Dk.

POROSITY: Poor Fair Good Kind INTXL-INTGRAN

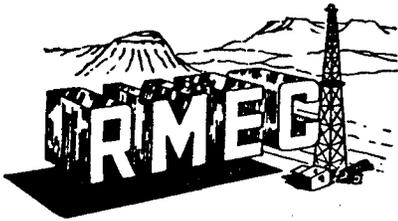
LITHOLOGY DOLO mgy bcmg dkgbyrn, hd, micxl, arg matx

SAMPLE QUALITY GOOD

NOTIFIED KENT FOURET @ 22:30 HRS. DATE: 11/12/86

REMARKS INTERVAL APPEARS TO BE TT w/a WEAK SHOW

ZONE DESCRIBED BY J. PUDLINER



ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81501

COMPANY EP OPERATING

WELL NO. ALKALI POINT 1-9

LOCATION S9 - T38S - R24E, SAN JUAN, UT

ZONE OF INTEREST NO. 2
LOWER ISMAY

INTERVAL: From 6096 To 6102

DRILL RATE: Abv 5 Thru 4-4½ Below 5

MUD GAS-CHROMATOGRAPH DATA

	TOTAL	C ₁	C ₂	C ₃	C ₄	C ₅	OTHER
Before	6	160	70	57	TSTM		
During	13	2320	1255	742	1144		
After	8	880	465	343	625		

Type gas increase: Gradual Sharp

Gas variation within zone: Steady Erratic Increasing Decreasing

CARBIDE HOLE RATIO: $\frac{\text{GRAMS}}{\text{READING}}$ X Min. in Peak = _____ Sensitivity: Poor Fair Good

FLUO: Mineral Even Spotty CUT: None Streaming
 None % in total sample _____ Poor Slow
 Poor Fair Mod
 Fair % in show lithology _____ Good Fast
 Good COLOR: _____ COLOR: _____

STAIN: None Poor Fair Good Live Dead Residue Even Spotty Lt. Dk.

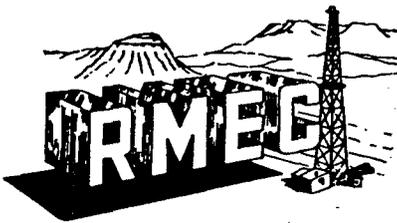
POROSITY: Poor Fair Good Kind INTXL

LITHOLOGY DOLO gybrn-lt-mbrn,mic-vfxl, gran,sl rthy ip,lmy ip,anhy ip, w/tr anhy,
f1 ø, tr intxl ø, mhd,tr dd oil stn SAMPLE QUALITY GOOD

NOTIFIED Kent Fouret @ _____ HRS. DATE: _____

REMARKS _____

ZONE DESCRIBED BY Dave Meade



ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81501

COMPANY EP OPERATING

WELL NO. ALKALI POINT 1-9

LOCATION S9-38S-24E, SAN JUAN, UT

ZONE OF INTEREST NO. 3
UPPER DESERT CREEK

INTERVAL: From 6158 To 6163

DRILL RATE: Abv 5½ Thru 2½ - 3 Below 5½

MUD GAS-CHROMATOGRAPH DATA

	TOTAL	C ₁	C ₂	C ₃	C ₄	C ₅	OTHER
Before	33	2480	1142	1581	2290		
During	128	14400	6324	3882	3331		
After	24	1680	1069	800	1251		

Type gas increase: Gradual Sharp

Gas variation within zone: Steady Erratic Increasing Decreasing

CARBIDE HOLE RATIO: $\frac{\text{GRAMS READING}}{\text{X Min. in Peak}} =$ _____ Sensitivity: Poor Fair Good

FLUO: Mineral Even Spotty CUT: None Streaming
None % in total sample 45% Poor Slow
Poor Fair Mod
Fair % in show lithology 10% Good Fast
Good COLOR: fnt yelgn COLOR: mlky

STAIN: None Poor Fair Good Live Dead Residue Even Spotty Lt. Dk.

POROSITY: Poor Fair Good Kind INTXL-INTGRAN

LITHOLOGY DOLO lt-dkbrn mgybrn mic-vfxl granular sl arg lmy occ anhy sl fos ip
frm-mhd SAMPLE QUALITY GOOD

NOTIFIED Kent Fouret @ _____ HRS. DATE: 11/13

REMARKS Poor Show

ZONE DESCRIBED BY DAVE MEADE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT **102208**

Drig 9/30/86
To: L.P.A.N. SAC.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO. Federal U-49991

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME Alkali Point (Proposed)

8. FARM OR LEASE NAME Alkali Point Unit

9. WELL NO. 1-9

10. FIELD AND POOL, OR WILDCAT Wildcat

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA Section 9, T38S-R24E SLB&M

12. COUNTY OR PARISH San Juan 13. STATE Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 18.5 miles SE of Blanding, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 336'

16. NO. OF ACRES IN LEASE 480

17. NO. OF ACRES ASSIGNED TO THIS WELL 80

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

19. PROPOSED DEPTH 6350'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5390' GR

22. APPROX. DATE WORK WILL START* October, 1986

23. PROPOSED CASING AND CEMENTING PROGRAM

43.047.31280

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	2200'	Circulate to Surface
7-7/8"	5-1/2"	17#	6350'	1000' of fill-top ~ 5350'

RECEIVED
OCT 17 1986
DIVISION OF
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *C.H. Peoples* TITLE Regional Drilling Manager DATE September 24, 1986
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY */s/ James J. Travis* TITLE Acting DISTRICT MANAGER DATE OCT 16 1986
CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

FLARING OR VENTING OF
GAS IS SUBJECT OF NTL 4-A
DATED 1/1/80

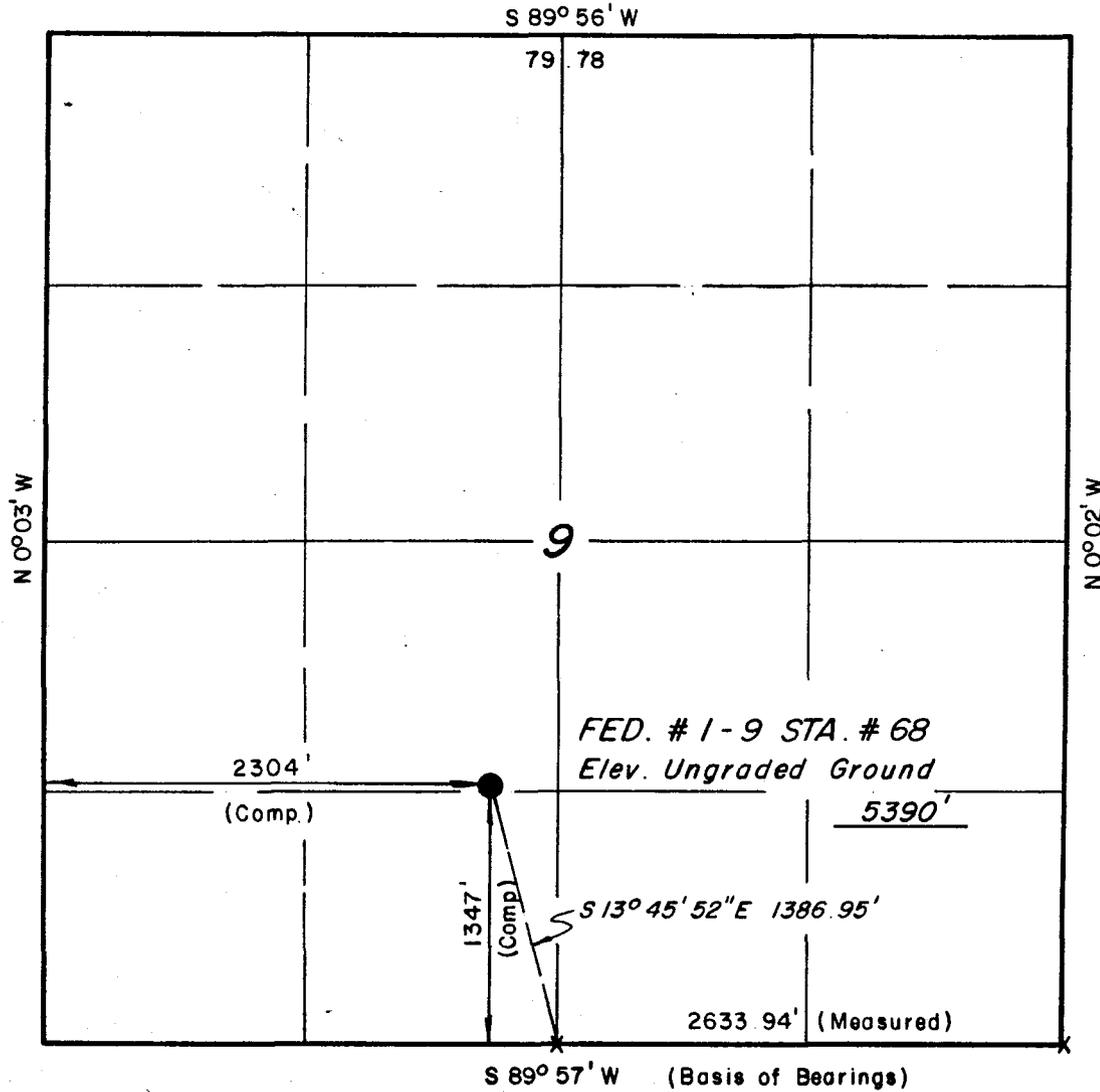
*See Instructions On Reverse Side

T 38 S, R 24 E, S.L.B. & M.

PROJECT
E.P. OPERATING CO.

Well location, FED. # 1-9 STA. # 68, located as shown in the NE 1/4 SW 1/4 Section 9, T 38 S, R 24 E, S.L.B. & M. San Juan County, Utah.

NOTE: Tie from Fed. # 1-9 Sta. # 68 to Dry Hole S 30° 30' 43" W - 770.69'



X = Section Corners Located



CERTIFICATE

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

Robert L. Kay
REGISTERED LAND SURVEYOR
REGISTRATION NO 5709
STATE OF UTAH

REVISED 9-15-86

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 9 / 9 / 86
PARTY RK TF BFW	REFERENCES GLO Plat
WEATHER Fair	FILE E.P. OPERATING CO.

EP Operating Company
Well No. Alkali Point 1-9
Sec. 9, T. 38 S., R. 24 E.
San Juan County, Utah
Lease U-49991

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.

EP Oper. Co

Alkali #1-9

111930

Drk.

Advised P&A, 11/15/86.

Rec'd P&A orders & approval from GCM

Noted,
Send to well records

RS RWH.
11 AM, 11/15/86

JRB

RON, IS THIS TO BE
PROCESSED AS AN INTENT,
OR AS A SUBSEQUENT?

Wm
11-21-86

Neither
Information only

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-49991
Communitization Agreement No. _____
Field Name _____
Unit Name Alkali Point
Participating Area _____
County San Juan State Utah
Operator EP Operating Company
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of October, 1986

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
1-9	NE-SW	38S	24E	Drg	None	None	None	None	Spudded 5:30 P.M. October 28, 1986 Drilling at 2084 midnight 11-31-86

RECEIVED
NOV 07 1986
DIVISION OF
OIL, GAS & MINING

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXX

Authorized Signature: Jack L. Sledge Address: _____
Title: Regional Drilling Manager

UPRR 9-2

1- WE HAVE ALL WE NEED TO FULLY PROCESS AS P¹/₃A. ROUTE FOR FILMING, POSTING ETC.

2- INCLUDE ON MONTHLY WCR AS APPROPRIATE.

ALHALLI POINT 1-9

1- FULL P¹/₃A PROCESSING

2- PLACE IN CUBINE WCR MASTER LIST

3- TELEPHONICALLY REQUEST WCR + LOGS

LOUISE FED 4

1- FULL P¹/₃A PROCESSING & FILMING

2- CHANGE ALL PHYSICAL & ...

"MEXICAN HAT FED" SUNDRY REC'D

12-22-86 INDICATED

3- PROCESS ATTACHED

ABANDONMENT IS AN INTENT + SUBSEQUENT

FED 4-33

1- FULL REPROCESSING

2- ALL DOCUMENTS IN

COMPUTER HAS PA

SHD WE REQUEST

WCR + PA REPORT, M¹/₃A + LOGS

UPRR 9-2

- 1- WE HAVE ALL WE NEED TO FULLY PROCESS AS P¹/₃A. ROUTE FOR FILMING, POSTING ETC.
- 2- INCLUDE ON MONTHLY WCR AS APPROPRIATE.

ALHAMI POINT 1-9

- 1- FULL P¹/₃A PROCESSING
- 2- PLACE IN CWING WCR MASTER LIST
- 3- TELEPHONICALLY REQUEST WCR + LEE

LOUISE FED 4

- 1- FULL P¹/₃A PROCESSING & FILMING
- 2- CHANGE ALL PHYSICAL & ANIL RECORDS TO "MEXICAN HAT FED #4".
- 3- PROCESS ATTACHED WCR... POOR AS IT IS.

FED 4-33

- 1- FULL REPROCESSING BACK TO TA
- 2- ALL DOCUMENTS IN SINGLE FILE

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
3 TRIAD CENTER, SUITE 350
SALT LAKE CITY, UT 84180-1203

RECEIVED
JAN 09 1987

DIVISION OF
OIL, GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Alakli Point Unit No. 1-9

Operator E. P. Operating Company Address 7800 Stemmons Frwy. Suite 500
Dallas, Texas 75247

Contractor Exeter Address P. O. Box 17349
Denver, Colorado 80217

Location NE 1/4 SW 1/4 Sec. 9 T. 38S R. 24E County San Juan

Water Sands

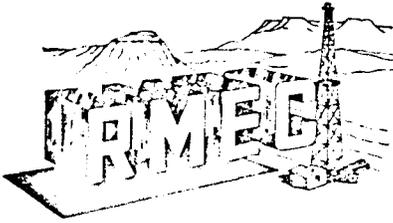
	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	From	To	Flow Rate or Head	Fresh or Salty
1.	No Water Encountered			
2.				
3.				
4.				
5.				

(Continue on reverse side if necessary)

Formation Tops

Remarks

- NOTE: (a) Report on this form as provided for in Rule 806, Oil and Gas Conservation General Rules.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.



ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL SITE GEOLOGY — MUD LOGGING

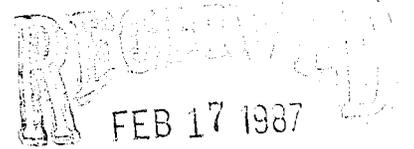
2450 INDUSTRIAL BLVD.

PHONE 243 3044

GRAND JUNCTION, COLORADO 81505

November 18, 1986

E. P. Operating
1700 Lincoln Street
Suite 3600
Denver, Colorado 80203



DIVISION OF
OIL, GAS & MINING

ATTN: KENT FOURET

Enclosed are the final logs on your Alkali Pont Unit #1-9, located in Section 9, T38S, R24E of San Juan County, Utah.

We appreciated the opportunity to serve you. If we can be of any assistance in the final evaluation of zones encountered, please feel free to call on us.

We are looking forward to working with you again in the near future. Thank you again.

Sincerely,

Andy Kelley
President

AWK:j1

ENC: 3 FINAL LOGS
XXC: 1-ENSERCH EXPL., M.T. BERRYHILL, DENVER;
1-ENSERCH EXPL., POLLY EGGEMEYER, DENVER;
1-MERIDIAN OIL, DOLORES ISERN, BILLINGS, MT;
1-BWAB, INC., ROBERT LENT, DENVER;
2-TXP OPERATING, BRUCE WILEY, DENVER;
2-SHV OIL & GAS CO., LARRY BARTON, CINCY, OH;
1-HUNTON & WILLIAMS, JAMES SHEA, NEW YORK, NY;
1-CHORNEY OIL, SAM BOLTZ, DENVER;
1-ENSERCH EXPL., B. K. IRANI, DALLAS, TX

COMPANY: EP OPERATING CO UT ACCOUNT # N0400 SUSPENSE DATE: 5-29-87

TELEPHONE CONTACT DOCUMENTATION

CONTACT NAME: ^{MR.} MT BERRYHILL ^{drilling into} Jack Sledge ALKALI POINT 1-9

CONTACT TELEPHONE NO.: 1-303-831-1616 214-630-8711 43-037-31280
3850. 24E 9

SUBJECT: WCR (INFO OVER PHONE?)
LOGS? Wed 2-17-87

(Use attachments if necessary)

RESULTS: Hursty Kitchen (Engineer) will return call 9:10 5-22
Hursty will send copy of WCR

(Use attachments if necessary)

CONTACTED BY: VC

DATE: 5-22-87

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

111037

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"/>		7. UNIT AGREEMENT NAME Alkali Point
2. NAME OF OPERATOR EP Operating Company		8. FARM OR LEASE NAME Alkali Point Unit
3. ADDRESS OF OPERATOR 7800 Stemmons Frwy., Suite 500 - Dallas, Texas 75247		9. WELL NO. 1-9
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1347' FSL & 2304' FWL (NE-SW)		10. FIELD AND POOL, OR WILDCAT Undesignated
14. PERMIT NO. 43-037-31280		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 9, T38S-R24E S.L.B.&M.
15. ELEVATIONS (Show whether DF, NT, GR, etc.) 5390' GR		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"/>	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) <u>Spud & Drilling Operations</u> <input checked="" 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.)*

Spudded 12-1/4 inch hole at 5:30 p.m. on October 28, 1986.
Drilling at 2084 feet at 12:00 midnight 10-31-86.

RECEIVED
NOV 07 1986

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct
SIGNED J. L. Sledge TITLE Regional Drilling Manager DATE 11-4-86
(This space for Federal or State office use)

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

*See Instructions on Reverse Side

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

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved. *Del*
Budget Bureau No. 1004-0135
Expires August 31, 1985

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 Dry Hole

2. NAME OF OPERATOR
E. P. Operating Company

3. ADDRESS OF OPERATOR
7800 Stemmons Frwy. #500, Dallas, Texas 75247

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
1347' FSL & 2304' FWL (NE-SW)

14. PERMIT NO.
4303731280

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5390'

5. LEASE DESIGNATION AND SERIAL NO.
Federal U-49991

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
122407

7. UNIT AGREEMENT NAME
Alkali Point

8. FARM OR LEASE NAME
Alkali Point Unit

9. WELL NO.
1-9

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 9, T38S, R24E
SLB&M

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"/>	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 checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Drilling Operations</u> <input checked="" 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.)*

Drilled to a total depth of 6270 feet. No tests or cores run. Ran full suite of open hole logs - DLL/MSFL/GR; AVL/GR; SDL/DSN/GR. Obtained verbal approval to plug and abandon. Set plugs as follows:

6175' - 5800' 127 sacks Class "B" Neat
2330' - 2230' 50 sacks Class "B" Neat
Surface 25 sacks Class "B" Neat

Released rig at 8:00 AM, 11/17/86.
Reclamation of drill site will take place during the spring of 1987 per BLM instructions.

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

SIGNED *Jack L. Sledge* TITLE Regional Drilling Manager DATE 12/16/86
(This space for Federal or State office use)

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

**ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**

*See Instructions on Reverse Side

DATE: 12-24-86
BY: *John P. Bay*

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved. Budget Bureau No. 42-R-355.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.

Federal U-49991

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

06030

7. UNIT AGREEMENT NAME

Alkali Point

8. FARM OR LEASE NAME

Alkali Point Unit

9. WELL NO.

1-9

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Section 9, T-38-S, R-24E SLB & M

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

1a. TYPE OF WELL: OIL WELL [] GAS WELL [] DRY [X] Other []

b. TYPE OF COMPLETION: NEW WELL [] WORK OVER [] DEEP-EN [] PLUG BACK [] DIFF. EESVR. [] Other P & A

2. NAME OF OPERATOR: E. P. Operating Company (214) 630-8711

3. ADDRESS OF OPERATOR: 7800 Stemmons - Ste. 500 Dallas, Texas 75247

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1347' FSL & 2304' FWL (NE-SW) At top prod. interval reported below Same At total depth Same

14. PERMIT NO. 43-037-3180 DATE ISSUED 10-16-86

15. DATE SPUNDED 10-28-86 16. DATE T.D. REACHED 11-13-86 17. DATE COMPL. (Ready to prod.) 11-17-86 P & A 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5390' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6270' 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE? No

REC'D 2-17-87 DUAL GUARD MICRO DIPMETER DIP CORRELATE DRIST SURVEY MUD LOG

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED No

DIL/MSEL/GR, AVL/GR, SDL/DSN/GR COMPENSATED ACOUSTIC LOG

Table with columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED

Table with columns: LINER RECORD (SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT*, SCREEN (MD)), TUBING RECORD (SIZE, DEPTH SET (MD), PACKER SET (MD))

Table with columns: PERFORATION RECORD (Interval, size and number), ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

*Plugs Set

6175' - 5800' 127 sx Class "B" Neat 2330' - 2230' 50 sx Class "B" Neat Surface 25 sx Class "B" Neat

Table with columns: PRODUCTION (DATE FIRST PRODUCTION, PRODUCTION METHOD, WELL STATUS), DATE OF TEST, HOURS TESTED, CHOKER 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

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Jack L. Sledge TITLE Regional Drilling Manager DATE 2/4/87

*(See Instructions and Spaces for Additional Data on Reverse Side)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sec. 9
T. 38 S.
R. 24 E.
SLB& Mer.
Ref. No. _____

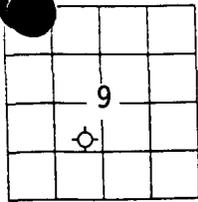
RECEIVED

INDIVIDUAL WELL RECORD

DEC 21 1992

DIVISION OF
OIL GAS & MINING

Date February 4, 1987



FEDERAL

State Utah

Lease No. 49991

County San Juan

Lessee TXP Operating Company 100%

Field Wildcat

Operator E P Operating Company *eff. 4/15/91*

Unit/CA Alkali Point Unit

Well Name & No. Alkali Point Unit 1-9

District Moab

A.P.I. Well No. 43-037-31280

Subdivision NESW

Location 1347' FSL and 2304' FWL

Date Drilling Approved October 16, 1986

Well Elevation 5390 GR Feet

Date Drilling Commenced October 28, 1986

Total Depth 6270 Feet

Date Drilling Ceased November 13, 1986

Initial Production _____

Oral to Abandon November 14, 1986

Gravity A.P.I. _____

Date Abandonment Approved (Final) February 2, 1989

Initial Reservoir Pressure _____

FAN Approved 12/8/92

GEOLOGIC FORMATIONS

PRODUCTIVE HORIZONS

SURFACE

LOWEST TESTED

NAME

DEPTHS

CONTENTS

Morrison

Akah

SURFACE MANAGEMENT AGENCY BLM

MINERAL OWNERSHIP BLM

LEASE EXPIRATION January 31, 1991

WELL STATUS

YEAR	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1986										SPUD	Oral to Abandon	SRA rec'd
1989		SRA Approved										
1992		2/2/89										FAN

First Production Memorandum None Lease Extension Memorandum N/A Confirmation _____

_____ rks _____