

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/abd. _____

DATE FILED **11-28-90**
 LAND: FEE & PATENTED STATE LEASE NO. **ML-28045** PUBLIC LEASE NO. _____ INDIAN _____

DRILLING APPROVED: **12-12-90**

SPUDDED IN:
 COMPLETED: **5-19-92 LA** PUT TO PRODUCING: _____

INITIAL PRODUCTION:
 GRAVITY A.P.I. _____

GOR:
 PRODUCING ZONES: _____

TOTAL DEPTH:
 WELL ELEVATION: _____

DATE ABANDONED: **APD EXPIRED LA'D EFF 5-19-92**

FIELD: **UNDESIGNATED**

UNIT: **DIRTY DEVIL**

COUNTY: **UINTAH**

WELL NO. **STATE 14-16** API NO. **43-047-31921**

LOCATION **655' FNL** FT. FROM (N) (S) LINE. **461' FEL** FT. FROM (E) (W) LINE. **NE NE** 1/4 - 1/4 SEC. **16**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				9S	24E	16	EPS RESOURCES COMPANY

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
 EPS Resources Company

3. ADDRESS OF OPERATOR
 5655 S. Yosemite, Suite 460, Englewood, Colorado 80111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface: 461' FEL & 655' FNL (NEL/4 NEL/4)
 At proposed prod. zone: same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 See Topo Map "A"

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
 461'

16. NO. OF ACRES IN LEASE
 280

17. NO. OF ACRES ASSIGNED TO THIS WELL
 160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 6000'+ m/RD

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5258' GR

22. APPROX. DATE WORK WILL START*
 A.S.A.P.

5. LEASE DESIGNATION AND SERIAL NO.
 ML-28045

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

7. UNIT AGREEMENT NAME
 Dirty Devil Unit

8. FARM OR LEASE NAME
 State

9. WELL NO.
 14-16

10. FIELD AND POOL, OR WILDCAT
 Bonanza *Undesignated*

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 16, T9S, R24E

12. COUNTY OR PARISH
 Uintah

13. STATE
 Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36#	350'	200 sacks Class "G"
7 7/8"	4 1/2"	11.60#	6000'+	As needed (See Drilling Program)

Bannon Energy, Inc., 3934 FM 1960 W, Suite 240, Houston, Texas 77068, is acting as Agent for EPS Resources Company. If any additional information is needed, please contact Uintah Engineering and Land Surveying, 85 South 200 East, Vernal, Utah 84078. Telephone # (801)789-1017.

See Attachments: Topo's A, B, C, & D
 Cut Sheet
 Legal Plat
 Pipeline Plat
 BOP Schematic
 Drilling Plan
 Surface Use Plan

TECHNICAL REVIEW
 Engr. *grm*
 Geol. *DS* 12/10/90
 Surface *RA* 2/4/90

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.

SIGNED: Robert D. Johnson TITLE: Agent, Attorney-in-Fact DATE: 11/16/90

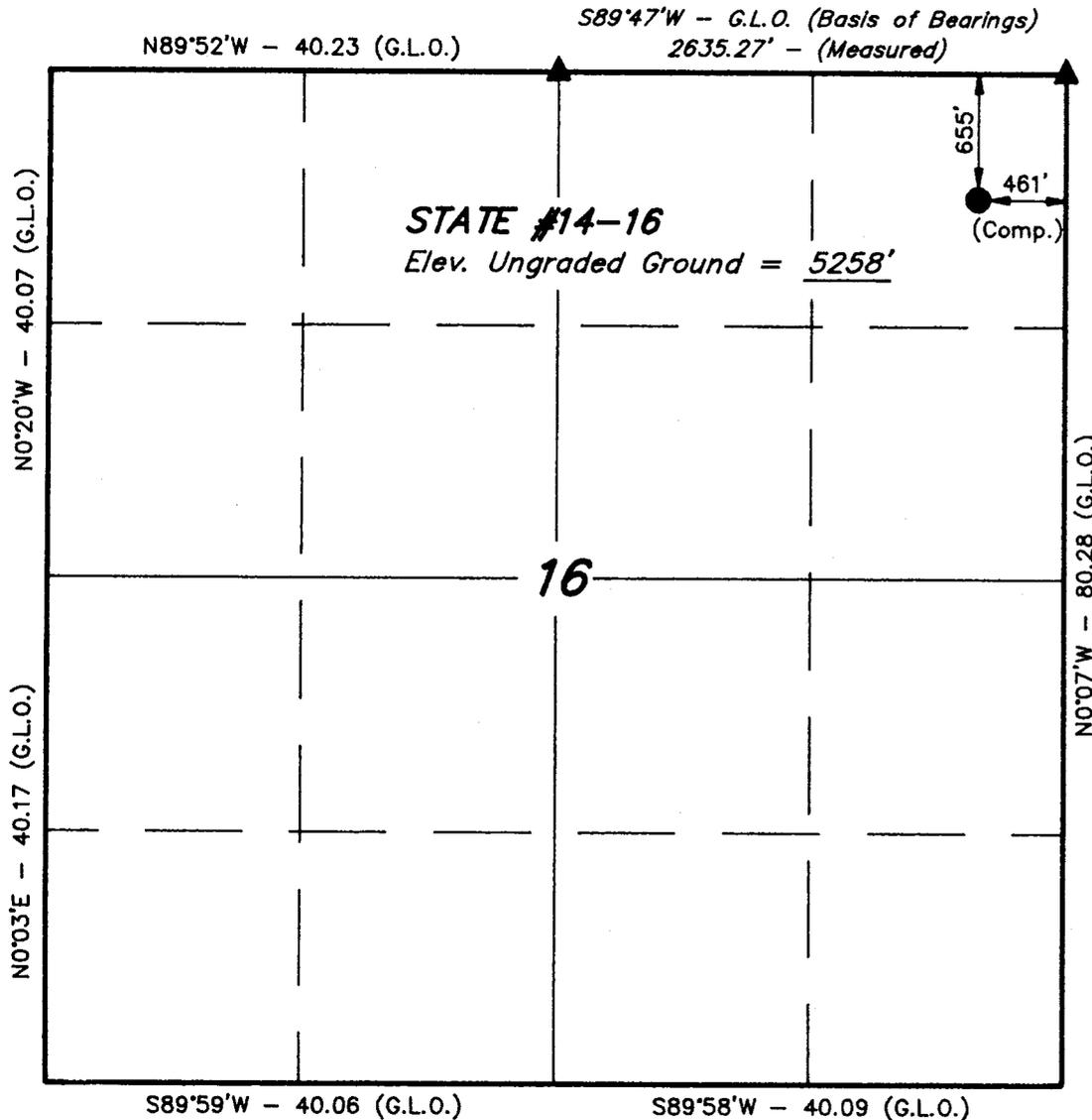
(This space for Federal or State office use)
 PERMIT NO. 43-047-31901 APPROVAL DATE: 12-12-90
 APPROVED BY: _____ TITLE: _____
 CONDITIONS OF APPROVAL, IF ANY: _____
 BY: *JM Matthews*
 WELL SPACING: 605-2-3

*See Instructions On Reverse Side

T9S, R24E, S.L.B.&M.

EPS RESOURCES COMPANY

Well location, STATE #14-16, located as shown in the NE 1/4 NE 1/4 of Section 16, T9S, R24E, S.L.B.&M. Uintah County, Utah.



BASIS OF ELEVATION

BENCH MARK S-26 LOCATED IN THE SOUTHWEST 1/4 OF SECTION 11, T9S, R24E, S.L.B.&M. TAKEN FROM THE BONANZA QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5283 FEET.



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

REVISED: 10-25-90 T.D.H.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(801) 789-1017

▲ = SECTION CORNERS LOCATED. (Brass Caps)

NOTE:

WELL BEARS S34°58'30"W
801.2' FROM THE NORTHEAST
CORNER OF SECTION 16.

SCALE 1" = 1000'	DATE 10-23-90
PARTY L.D.T. G.S. T.D.H.	REFERENCES G.L.O. PLAT
WEATHER COOL	FILE EPS RESOURCES COMPANY

EPS Resources Company

State #14#16

NE1/4 NE1/4, Section 16, T9S, R24E

Drilling Program

1. Geological Surface Formation: Uintah
2. Geological Marker Tops:

<u>Formation</u>	<u>Estimated Top</u>
<u>Green River</u>	
Parachute Creek	1390'
H # Marker	2870'
<u>Wasatch</u>	4210'
<u>Mesaverde</u>	6050'

3. Proposed Casing and Cementing Program:

Casing:

9 5/8" 36# K#55 ST&C Set to 350'.
4 1/2" 11.60# J#55 ST&C Set to 6000'.
(7" 20# J#55 ST&C Will be set at 2500' only
if lost circulation occurs).

Hole Sizes:

12 1/4" to 350".
7 7/8" from 350" to 6000'.
(6 1/2" from 2500' to 6000', if 7" casing is set).

Cement:

Surface casing (9 5/8" OD casing x 12 1/4" Hole)
200 sxs Class "G" with 1/4#/sx of Flocele + 3% Calcium
Chloride.

Production Casing (4 1/2" OD casing x 7 7/8" Hole) *
Cement Volume, sufficient to circulate cement to
surface, is to be based upon actual caliper volume plus
35% excess. Cement slurry shall consist of a high
strength pozzilan blend from total depth to
approximately 2500' with a high yield slurry from 2500'
to surface.

Intermediate Casing (7" OD casing x 8 3/4" Hole) *
Cement with high yield slurry followed by 100 sx of neat
cement + 2% Calcium Chloride. Volume to be calculated
on annular volume plus 100% excess.

4. Operator's Specifications for Pressure Control Equipment:

11" 3000 psig double (blinds and 4 1/2" rams)

11" 3000 psig annular

(see schematic)

Test BOP'S to 3000# and Annular to 2,000# with water.

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 BLM should be notified with sufficient lead time, in order to have a representative on location during pressure testing.

5. Proposed Circulating Medium:

0 # 350' = Native Mud
9.2 ppg
Water Loss # No Control

350' # 6000' = 9.1 # 9.2 ppg
38#42 Viscosity
10#12 cc Water Loss

6. Auxiliary Equipment:

A. Kelly Cock

B. Monitoring of the mud system will be done visually. A full opening drill pipe stabbing valve will be kept on the floor at all times.

7. Testing, Logging and Coring:

Gamma Ray 0 # 2500'
Gamma Ray 2500 # 6000'
Compensated Density # Neutron Log
Dual Induction
Caliper

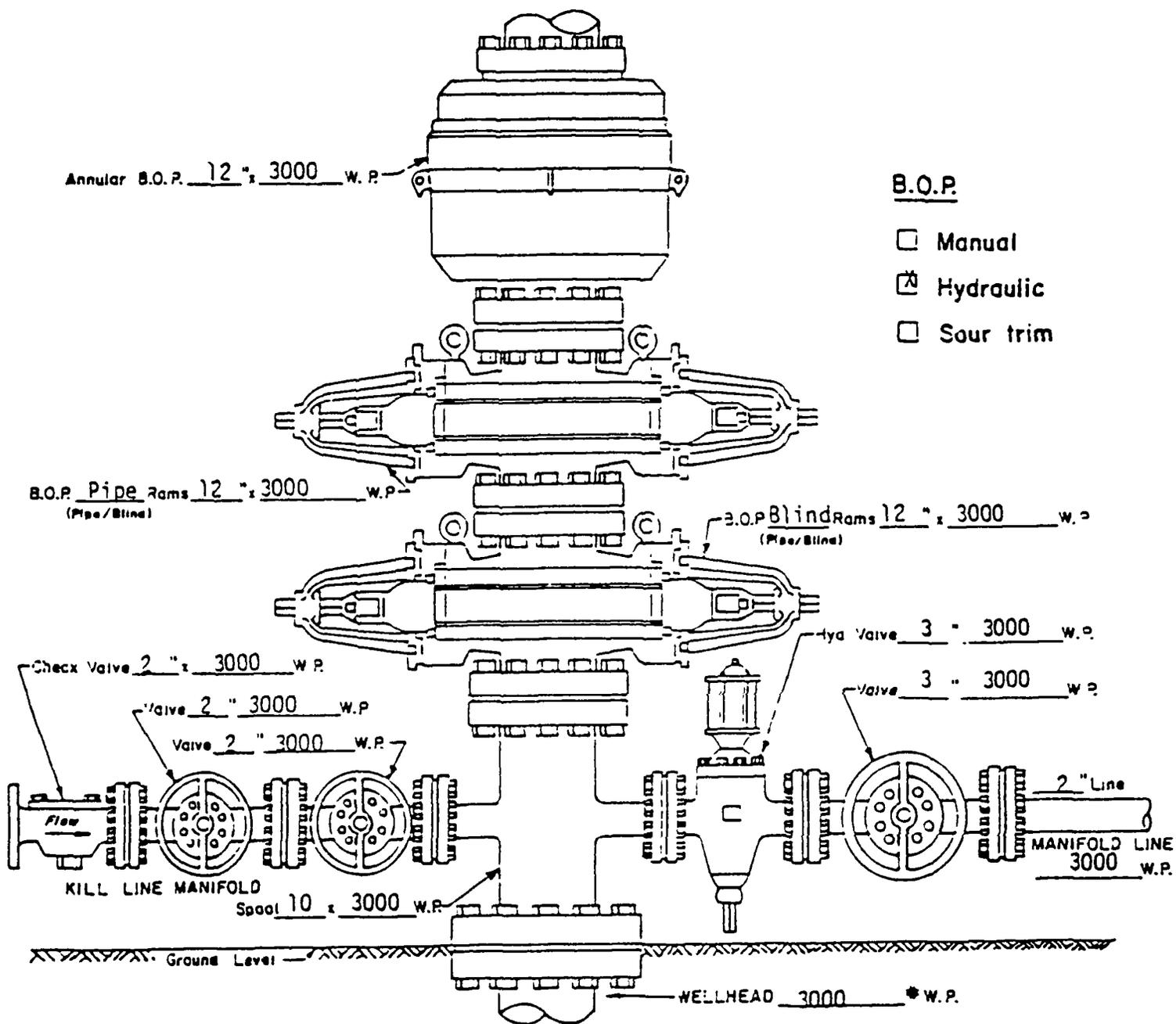
Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160#4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, 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. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).

8. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards:

No abnormal conditions are expected.
Anticipated Bottom Hole Pressure = 2500' psi

9. Anticipated Starting Dates and Notifications of Operations:

Location Construction: Immediately upon approval.
Spud Date: A.S.A.P. after pad and road are completed.



B.O.P.

- Manual
- Hydraulic
- Sour trim

Fill blanks with applicable information. If not applicable, enter "N.A." or cross-out item shown. Enter other pertinent information below.

13 * Point Surface Use Plan

EPS Resources Company

State #14#16

NE1/4 NE1/4, Sec. 16, T9S, R24E, S.L.B. & M.

1. Existing Roads: (See Topo Map "A")

To reach the proposed well location follow the directions as shown on Topo Map "A" & "B".

2. Planned Access Roads: (See Topo Map "B")

The length of the planned access road is approximately 0.5 miles. The road will be constructed with a 18 foot running surface and have maximum grades of 5%. There will be no turnouts or culverts along this road. Low water crossings will be utilized for drainage purposes. Existing material will be used for construction on both the access road and well pad. No new disturbance will be needed.

All travel will be confined to existing access road rights* of*way.

Access roads and surface disturbing activities will conform to standards outlined in the BLM / Forest Services 1989 Surface Operating Standards for Oil and Gas Development.

The road shall be constructed to meet the standards of the anticipated traffic flow and all*weather road requirements. Upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right*of*way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by run*off water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

3. Location of Existing Wells:

See Topo Mao "C".

4. Location of Existing and/or Proposed Facilities:

A Pipeline is planned from this well approximately 525' SE to an existing line. The proper permits will be obtained from the State before construction begins.

If a tank battery is constructed on this lease, the battery or the well pad will be surrounded by a dike of sufficient capacity to contain the capacity of the largest vessel. The integrity of the dike must be maintained.

Tank batteries will be placed on the SE Corner of the pad.

Paint for all facilities will be Desert Brown.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, nonreflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

5. Location and Type of Water Supply:

All water needed for this well will be hauled by water trucks. Water will be taken from the White River or Coyote Wash. Appropriate permits will be obtained.

6. Source of Construction Materials:

Construction material will be onsite. If any material such as sand, gravel, stone and soil are needed they will be purchased from approved sources.

7. Method for Handling Waste Disposal:

A. Describe methods and location of proposed safe containment and disposal of each type of waste material:

- (1) Cuttings # Reserve pit
- (2) Sewage # Onsite in chemical toilets and holding tanks.
- (3) Garbage (trash) and other waste material # trash container onsite.
- (4) Salts # Reserve pit
- (5) Chemicals # Reserve pit

The bottom of the reserve pit shall not be in fill material, and shall be lined with a 10 mill plastic liner.

If a plastic nylon reinforced liner is used it shall be torn and perforated before backfilling of the reserve pit.

Burning will not be allowed. All trash must be contained in a trash cage and hauled away to an approved disposal site at the completion of the drilling activities.

Pits are not to be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls, unless otherwise herein provided. The reserve pit shall not be lined unless porous material is encountered during construction of the pit site.

If the reserve pit is lined the operator will provide the State a chemical analysis of the fluids in that pit no later than 90 days after the well completion to determine the method for final reclamation of the reserve pit. If the elemental concentrations shown by the chemical analysis exceeds the requirements prescribed by Part II, Standards of Quality for Waters of the State, Wastewater Disposal Regulations, State of Utah Division of Health, the contents and liner will be removed and disposed of at an authorized disposal site.

8. Ancillary Facilities:

None are required.

9. Well Site Layout: (See attached cutsheet)

All pits will be fenced in accordance with the Vernal District Fencing Policy. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Any hydrocarbons on the pit will be removed from the pit as soon as possible after drilling operations are completed. Pits will be fenced and maintained until cleanup.

The location will be constructed as per the attached cutsheet.

10. Plans for Restoration of Surface:

Immediately upon completion, the location and surrounding area will be cleared of all debris, materials, trash and junk not required for production.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc. will be removed. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed. The

reserve pit will be reclaimed within 90 days from the date of well completion.

All disturbed areas will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the disturbed areas.

Prior to re#seeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

Seed will be broadcasted at a time specified by the State of Utah. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage and the seed mixture will be proportionately larger (double the lbs. per acre).

An appropriate seed mixture will be determined by the State, either as part of the Conditions of Approval of the APD or at the time restoration activities are scheduled to begin.

All seeding will be done from September 30th until the ground freezes.

If the seeding is unsuccessful, the lessee/operator may be required to make subsequent seedings.

Compacted areas of the well pad should be plowed or ripped to a depth of 12" before re#seeding. Seeding should be done with a disc#type drill to ten inches apart. The seed should be planted between one#half inch deep and three#quarter inch deep. A drag, packer or roller may be used to insure uniform coverage of the seed, and adequate compaction.

Drilling of the seed should be done on the contour where possible. Where slopes are too steep for contour drilling, a "cyclone" hand#seeder or similar broadcast seeder should be used, using twice the recommended seed per acre. Seed should then be covered to a depth described above by whatever means is practical.

11. Surface Ownership:

Surface ownership of the location and access road is the State of Utah.

12. Other Additional Information:

The surface area is used primarily for grazing domestic sheep and cattle.

The geologic structures of the area that are visible are of the Uintah Formation (Eocene Epoch) Tertiary Period in the upper elevation and the cobblestone and younger Alluvial deposits from the Quaternary Period.

Outcrops of sandstone ledges conglomerate deposits and shale are common in this area.

The topsoil in the area range from a light brownish*gray sandy clay (SM*ML) type soil poorly graded gravels to a clayey (OL) type soil.

The majority of the numerous washes and streams in the area are of a non*perennial nature flowing during the early spring run*off and extremely heavy rain storms of long duration which are extremely rare as the normal annual rainfall in the area is only 8".

The White River to the South of this location is the only perennial stream that is affected by this location site.

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area is common of the semi*arid region we are located in. It consists of areas of sagebrush, rabbitbrush, some grasses and cacti as the primary flora. This is also true for the lower elevations.

The fauna of the area consists predominantly of the mule deer, coyotes, rabbits and varieties of small ground squirrels and other types of rodents. The area is used by man for the primary purpose of grazing domestic sheep and cattle.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that

might further disturb such materials, and contact the authorized office (AO).

Within five working days the AO will inform the operator as to:

- *whether the materials appear eligible for the National Register of Historic Places;

- *the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and

- *a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

The operator will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.

If, during operations, any archaeological or historical sites, or any object of antiquity (subject to the Antiquities Act of June 8, 1906) are discovered, all operations which would affect such sites are to be suspended and the discovery reported promptly to the Surface Management Agency.

The operator or his contractor shall contact the State Offices between 24 and 48 hours prior to construction activities.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION:

Name: Robert D. Johnson

Address: 3934 FM 1960 West, Ste #240
Houston, TX 77068

Telephone No: (713) 537-9000

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his sub#contractors. A copy of these conditions will be furnished to the field representative to insure compliance.

The dirt contractor will be provided with an approved copy of the Surface Use Plan from the APD.

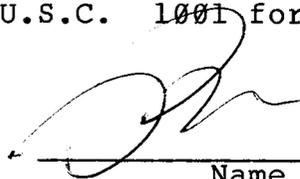
This drilling permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill sites and access routes; that I am familiar with the condition which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and, that the work associated with the operations proposed here will be performed by BANNON ENERGY, INC. ACTING AS AGENT FOR EPS RESOURCES COMPANY., 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 filing of a false statement.

November 16, 1990

Date



Name and Title

Robert D. Johnson
Agent, Attorney-in-Fact

Onsite Date: October 26, 1990

Participants on Joint Inspection:

Spec Livingston * BANNON (Agent for EPS Resources)

Robert Kay * Uintah Engineering & Land Surveying

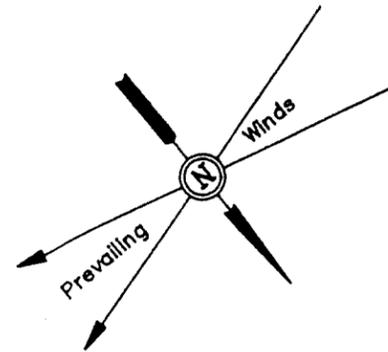
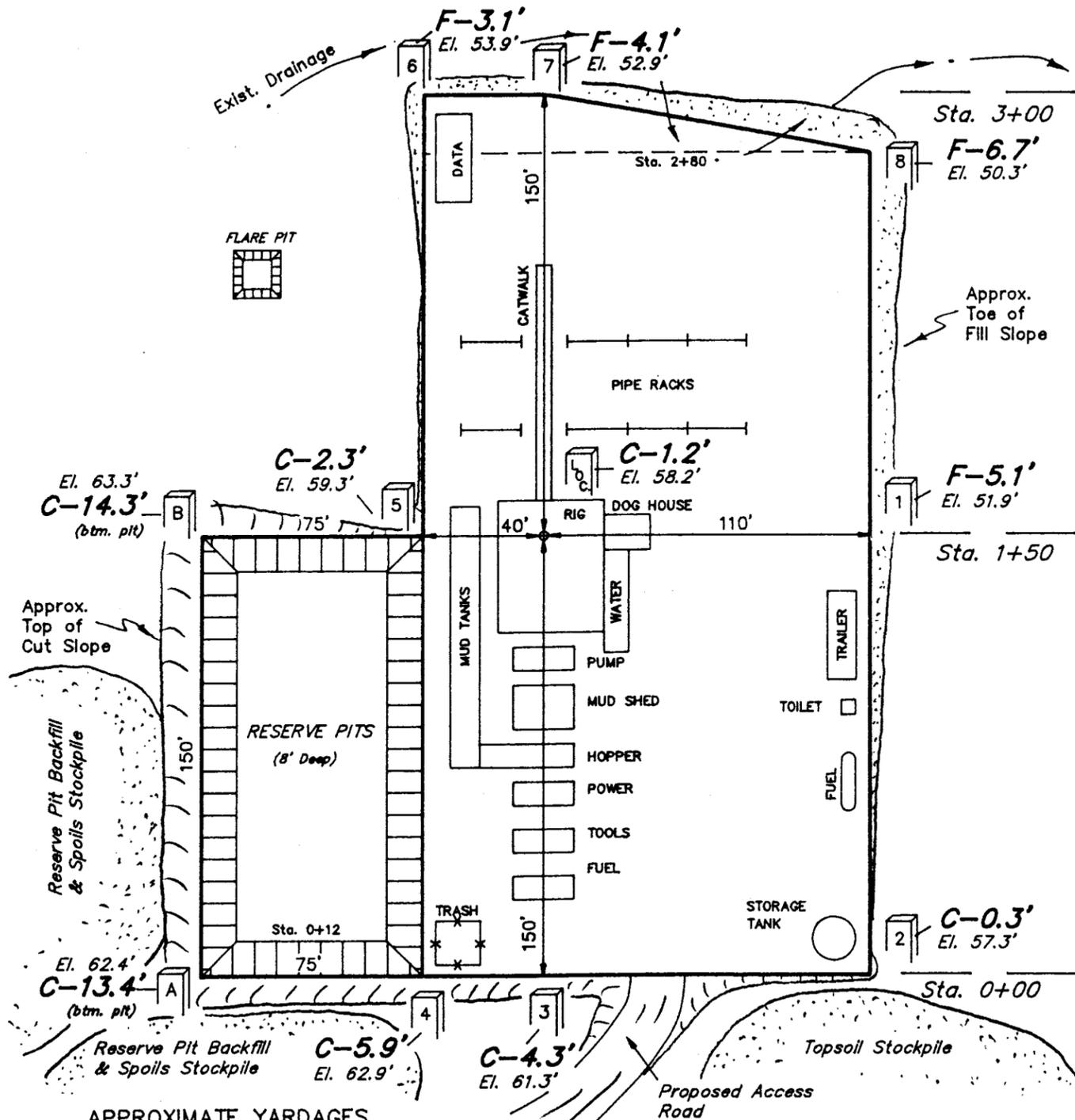
Brad Hill * State of Utah

EPS RESOURCES COMPANY

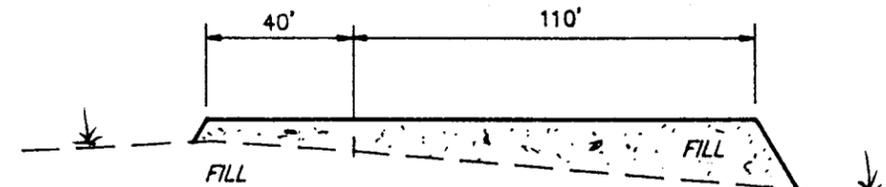
LOCATION LAYOUT FOR

STATE #14-16

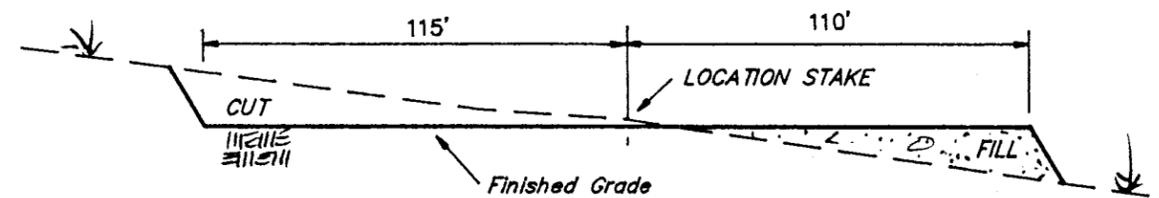
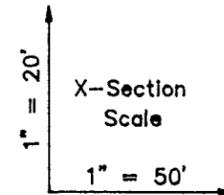
SECTION 16, T9S, R24E, S.L.B.&M.



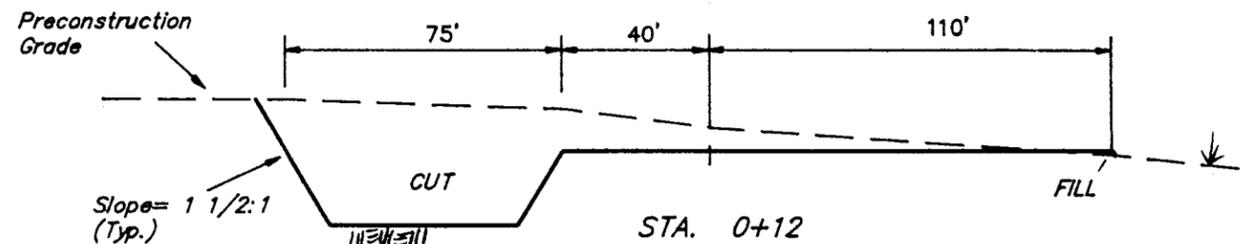
SCALE: 1" = 50'
DATE: 10-23-90
DRAWN BY: T.D.H.
REVISED: 10-25-90 T.D.H.



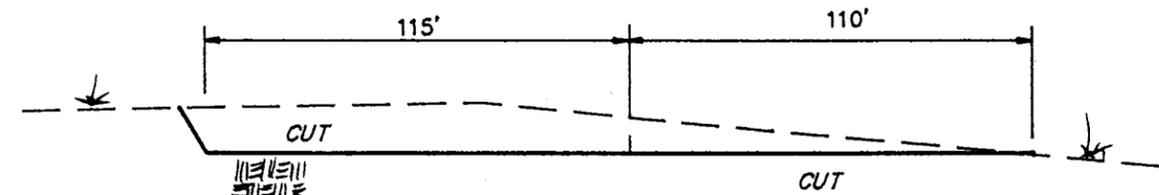
STA. 2+80



STA. 1+50



STA. 0+12



STA. 0+00

TYP. LOCATION LAYOUT

APPROXIMATE YARDAGES

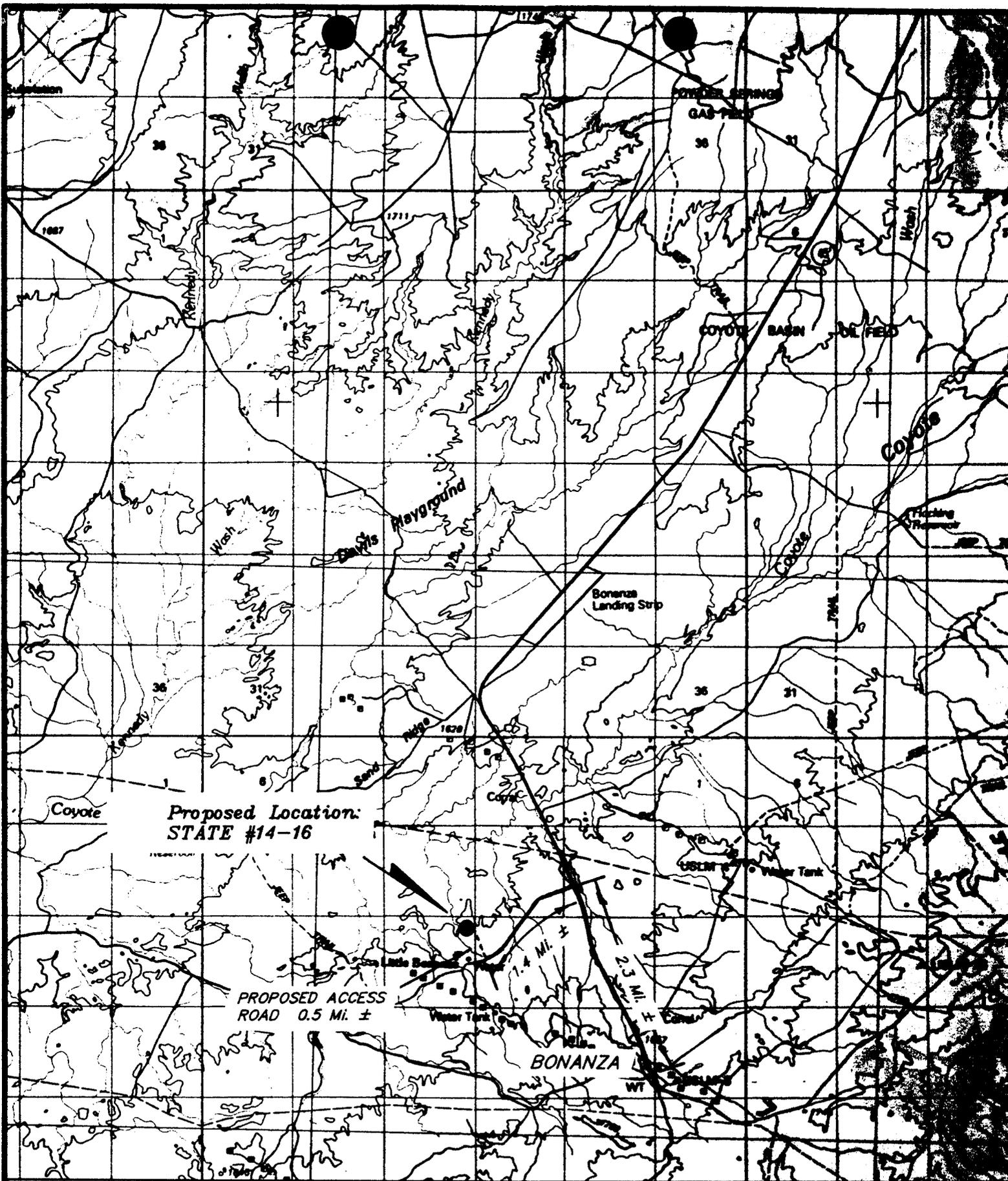
(6") Topsoil Stripping = 1,040 Cu. Yds.
Pit Volume (Below Grade) = 2,580 Cu. Yds.
Remaining Location = 2,600 Cu. Yds.

TOTAL CUT = 6,220 CU.YDS.
FILL = 3,490 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION = 2,550 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 2,330 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation) = 220 Cu. Yds.

Elev. Ungraded Ground at Location Stake = 5258.2'

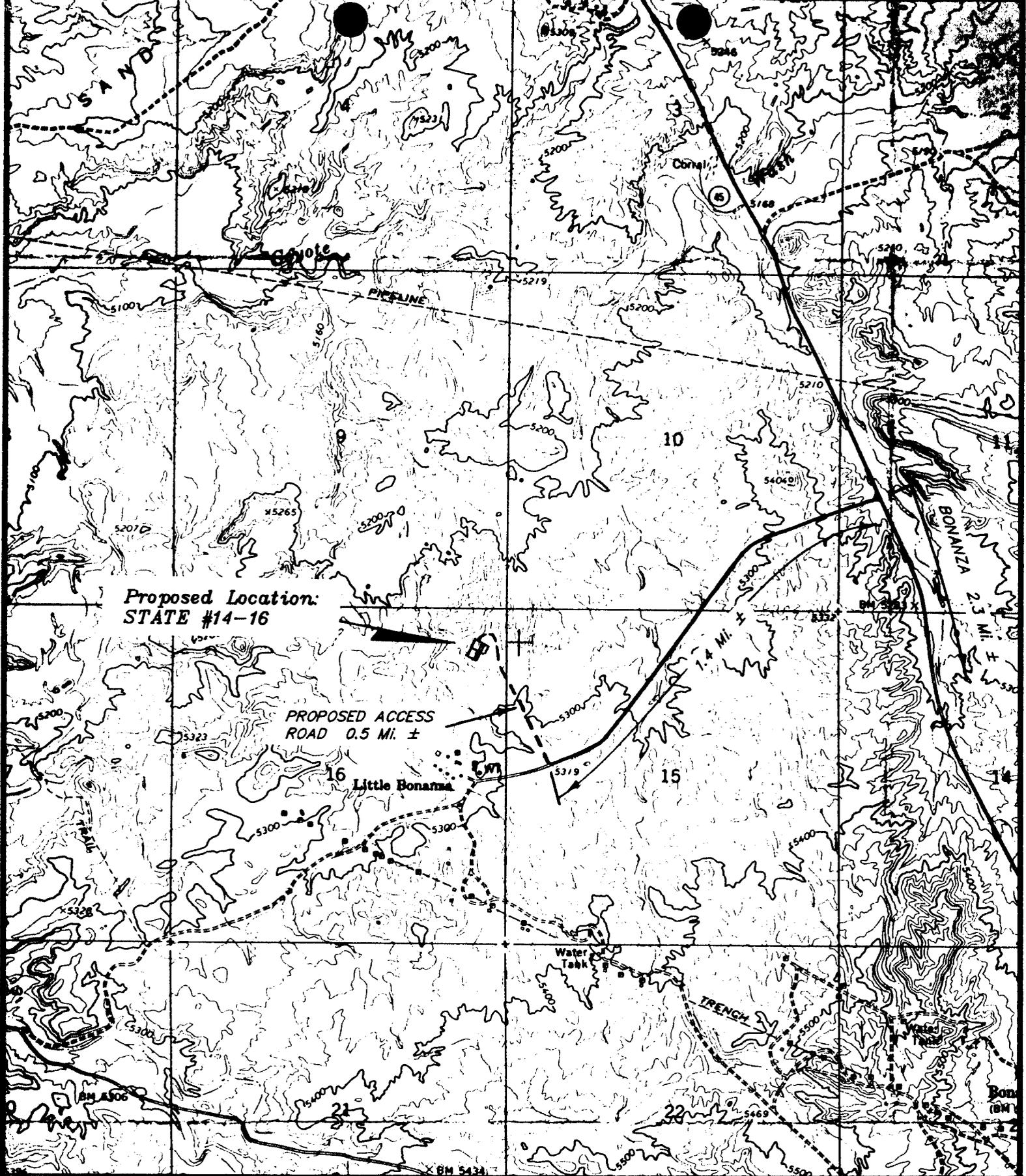
Elev. Graded Ground at Location Stake = 5257.0'



TOPOGRAPHIC
 MAP "A"
 DATE: 10-23-90



EPS RESOURCES COMPANY
 STATE #14-16
 SECTION 16, T9S, R24E, S.L.B.&M.
 REVISED: 10-25-90 T.D.H.



TOPOGRAPHIC

MAP "B"

SCALE: 1" = 2000'

DATE: 10-23-90

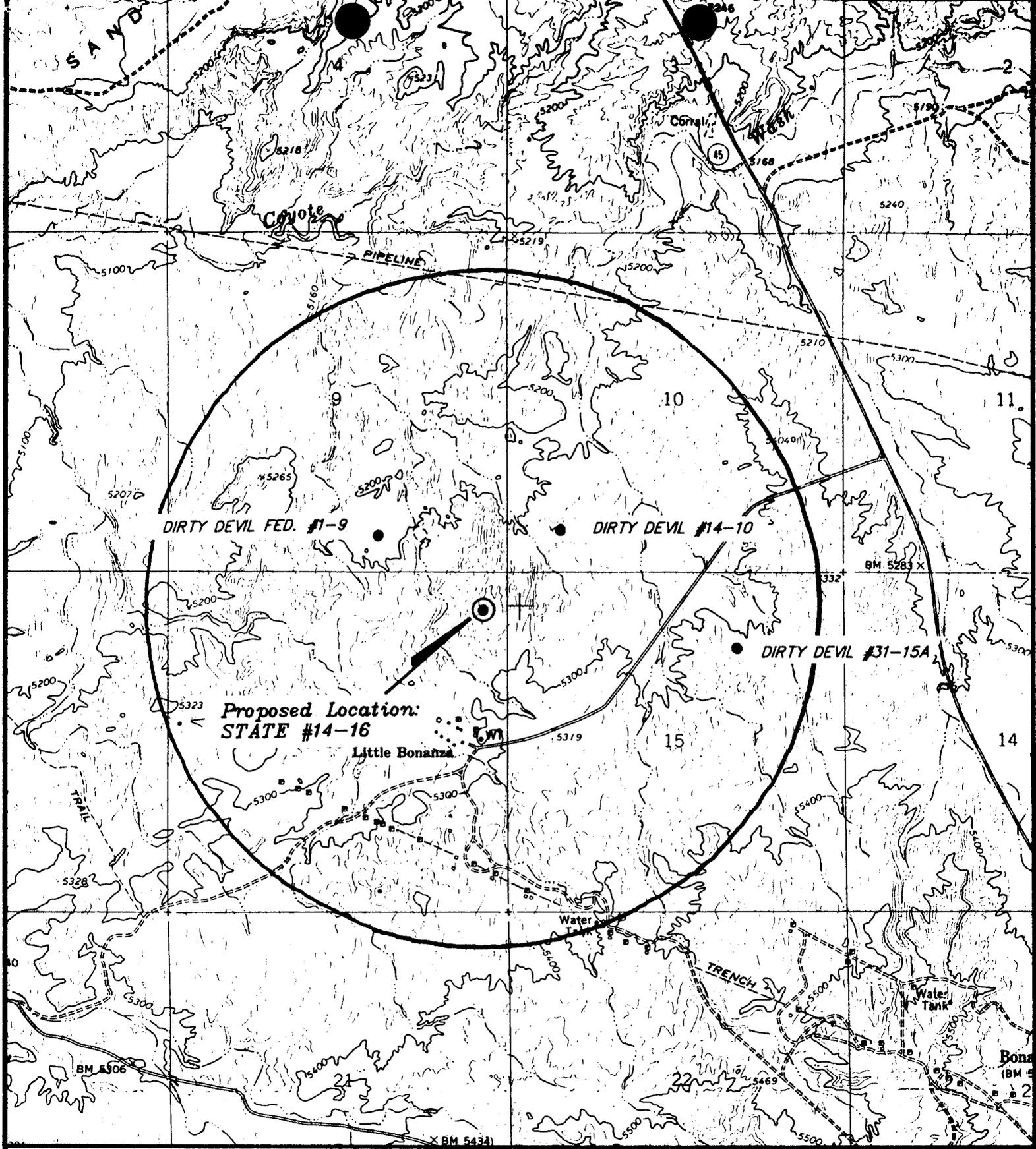


EPS RESOURCES COMPANY

STATE #14-16

SECTION 16, T9S, R24E, S.L.B.&M.

REVISED: 10-25-90 T.D.H.



LEGEND:

- ⊕ = Water Wells
- ◆ = Abandoned Wells
- = Temporarily Abandoned Wells
- ⊘ = Disposal Wells
- = Drilling Wells
- = Producing Wells
- = Shut-in Wells



EPS RESOURCES COMPANY

STATE #14-16
SECTION 16, T9S, R24E, S.L.B.&M.

TOPO MAP "C"

DATE: 11-6-90

U.S.
Department of the Interior
Bureau of Land Management
Utah State Office

Summary Report of
Inspection for Cultural Resources

Project U 0 - G B - 534 b s
Authorization No.

Report Acceptable Yes No

Mitigation Acceptable Yes No

Comments: _____

1. Report Title S T A T E # 1 4 - 1 6

2. Development Company EPS Resources Company

3. Report Date 1 1 08 1 9 9 0 4. Antiquities Permit No. 90-UT-54939

5. Responsible Institution G R A N D R I V E R I N S County Uintah

6. Fieldwork Location: TWN 9 S Range 2 4 E Section(s) 1 5 1 6

TWN Range Section(s)

7. Resource Area B C TWN Range Section(s)

PO=Pony Express, BR=Bear River, WS=Warm Springs, BC=Book Cliffs, HR=House Range,
SE=Sevier River, HM=Henry Mountains, BE=Beaver River, DX=Dixie, KA=Kanab,
ES=Escalante, SJ=San Juan, GR=Grand, SR=San Raphael, DM=Diamond Mountain

8. Description of Examination Procedures: A 100 percent pedestrian cultural resources survey of the proposed well locations was made by walking a series of concentric circles around the flagged center to a diameter of 500 feet, thus covering an area of about 5.0 acres. The connecting access/pipeline routes were walked in a zigzag transect centered on the flagged centerline to cover a swath 100 feet wide.

9. Linear Miles Surveyed 0 . 4
and/or
Definable Acres Surveyed 5
and/or
Legally Undefinable Acres Surveyed

10. Inventory Type I

R=Reconnaissance
I=Intensive
S=Statistical

11. Description of Findings (attach appendices, if appropriate)

No cultural resources were found.

12. Number Sites found 0
No sites = 0

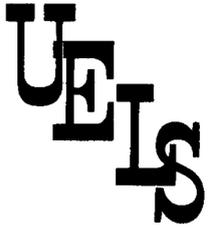
13. Collection N
Y=Yes N=No

14. Actual/Potential National Register Properties Affected: None.

15. Literature Search, Location/Date: BLM Vernal District Office, 11/1/90
Utah Division of State History, 11/2/90

16. Conclusion/Recommendations:
Archaeological clearance is recommended.

17. Signature of Administrator & Field Supervisor: Administrator Carl E. Conner
Carl E. Conner
Field Supervisor Carl E. Conner



Uintah Engineering & Land Surveying

85 SOUTH 200 EAST
VERNAL, UTAH 84078

PHONE (801) 789-1017

NELSON J. MARSHALL
PHONE 789-0272

LAWRENCE C. KAY
PHONE 789-1125

ROBERT L. KAY
PHONE 789-0493

JOHN R. SLAUGH
PHONE 789-3292

If you have any questions
please call Robert Kay.

Thank you

RECEIVED

NOV 28 1990

DIVISION OF
OIL, GAS & MINING

DRILLING LOCATION ASSESSMENT

State of Utah Division of Oil, Gas and Mining

OPERATOR: EPS RESOURCES CO. WELL NAME: 14-16 STATE
SECTION: 16 TWP: 9S RNG: 24E LOC: 655 FNL 461 FEL
QTR/QTR NE/NE COUNTY: UINTAH FIELD: BONANZA
SURFACE OWNER: STATE OF UTAH
SPACING: DIRTY DEVIL UNIT
INSPECTOR: BRAD HILL DATE AND TIME: 10/26/90 9:30

PARTICIPANTS: Robert Kay-Uintah Engineering; Spec Livingston-EPS

REGIONAL SETTING/TOPOGRAPHY: This location is in the southeastern Uinta Basin, 1/2 mile north of Little Bonanza, Utah. Regional topography consists of rolling hills dissected by shallow intermittent drainages.

LAND USE:

CURRENT SURFACE USE: NONE

PROPOSED SURFACE DISTURBANCE: The pad will be rectangular in shape approximately 300'X 150' with a 150'X 75' extension for the reserve pit. A .5 mile access road will be constructed.

AFFECTED FLOODPLAINS AND/OR WETLANDS: Dry drainages are located on the west, north and south sides of the location.

FLORA/FAUNA: Dwarf Sage, Saltbush, Snakeweed, Curley Grass, Greasewood/Deer, Antelope, Rabbits

ENVIRONMENTAL PARAMETERS

SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: Silty-sand with abundant angular sandstone cobbles.

SURFACE FORMATION & CHARACTERISTICS: Uinta Formation-interbedded sandstones and shales.

EROSION/SEDIMENTATION/STABILITY: No active erosion or sedimentation at present. Location should be stable.

PALEONTOLOGICAL POTENTIAL: None observed.

SUBSURFACE GEOLOGY

OBJECTIVES/DEPTHS: Green River-1390; Wasatch-4210; Mesa Verde-6050

ABNORMAL PRESSURES-HIGH AND LOW: None anticipated.

CULTURAL RESOURCES/ARCHAEOLOGY: Done by Carl Connors, Montrose, Colorado

CONSTRUCTION MATERIALS: Onsite materials will be used for construction.

SITE RECLAMATION: As per State Lands.

RESERVE PIT

CHARACTERISTICS: A rectangular reserve pit will be constructed with approximate dimensions: 150'X 75'X 8'.

LINING: To be lined with a synthetic liner of minimum 12 mil thickness.

MUD PROGRAM: 0-350'/Native mud 9.2 ppg; 350-6,000' 9.1-9.2 ppg

DRILLING WATER SUPPLY: White River or Coyote Wash

STIPULATIONS FOR APD APPROVAL

Pit is to be lined with synthetic material.

Location is to be bermed to prevent runoff from pad.

ATTACHMENTS

Photographs will be placed on file.

OPERATOR EPS Resources Co. (N. 0005) DATE 10-10-90

WELL NAME State 14-16

SEC NENE 16 T 9S R 04E COUNTY Utah

43-047-31901
API NUMBER

State (3)
TYPE OF LEASE

CHECK OFF:

PLAT.

BOND

NEAREST WELL

LEASE

FIELD
SLBM

POTASH OR OIL SHALE

PROCESSING COMMENTS:

1990 P.O.D. approved 4-2-90
Water Permit 49-1487 (T65000) per Robert Kay 49-1488 (T65005)
Permit 11-30-90 / (Geology review) 10-10-90

APPROVAL LETTER:

SPACING: R615-2-3 Dirty Dwell
UNIT

R515-3-2

N/A
CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

cc: State Lands
Pit is to be lined w/ synthetic material
Location is to be bermed to prevent runoff from pad.



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangarter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

December 12, 1990

EPS Resources Company
5655 S. Yosemite, Suite 460
Englewood, Colorado 80111

Gentlemen:

Re: State 14-16 - NE NE Sec. 16, T. 9S, R. 24E - Uintah County, Utah
655' FNL, 461' FEL

Approval to drill the referenced well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule R615-2-3, Oil and Gas Conservation General Rules, subject to the following stipulation:

1. Pit is to be lined with synthetic material, location is to be bermed to prevent runoff from pad.

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

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification if it is necessary to plug and abandon the well. Notify R. J. Firth, Associate Director, (Office) (801) 538-5340, (Home) 571-6068, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-20, Gas Flaring or Venting, Oil and Gas Conservation General Rules.

Page 2
EPS Resources Company
State 14-16
December 12, 1990

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. 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 43-047-31921.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

tas
Enclosures
cc: Bureau of Land Management
Division of State Lands
J. L. Thompson
we14/1-4

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
OIL AND GAS INSPECTION RECORD

OPERATOR E.R.Z. Resources LEASE MH-28045
WELL NO. State 14-16 API 43-047-31921
SEC. 16 T. 9S R. 24E CONTRACTOR _____
COUNTY Uintah FIELD Dirty Devil Unit

DRILLING/COMPLETION/WORKOVER:

APD WELL SIGN HOUSEKEEPING BOPE
 SAFETY POLL. CONTROL SURFACE USE PITS
 OPERATIONS OTHER

SHUT-IN / TA :

WELL SIGN HOUSEKEEPING EQUIPMENT* SAFETY
 OTHER

ABANDONED:

MARKER HOUSEKEEPING REHAB. OTHER

PRODUCTION:

WELL SIGN HOUSEKEEPING EQUIPMENT* FACILITIES*
 METERING* POLL. CONTROL PITS DISPOSAL
 SECURITY SAFETY OTHER

GAS DISPOSITION:

VENTED/FLARED SOLD LEASE USE

LEGEND: Y - YES OR SATISFACTORY
N - NO OR UNSATISFACTORY
NA - NOT APPLICABLE

*FACILITIES INSPECTED: Location

REMARKS: No visible surface disturbance.

ACTION: This part is cleared for bond release

INSPECTOR: Carol Kubby DATE: 4.8.92



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangertter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

May 19, 1992

EPS Resources Company
5655 South Yosemite, Suite 460
Englewood, Colorado 80111

Gentlemen:

Re: State 14-16, Sec. 16, T. 9S, R. 24E, Uintah County, Utah
API No. 43-047-31921

Due to excessive time delay in commencing drilling operations, approval to drill the subject well is hereby rescinded, effective immediately.

Please note that a new Application for Permit to Drill must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,

A handwritten signature in cursive script that reads "Don Staley".

Don Staley
Administrative Manager
Oil and Gas

DME/lde

cc: R.J. Firth
Well file

WOI219