

FILE NOTATIONS

Entered in MID File
Location Map Pinned
Card Indexed

Checked by Chief
Approval Letter
Disapproval Letter

7
2-21-75

COMPLETION DATA:

Date Well Completed 2-22-75

Location Inspected

DW..... WW..... TA.....

Bond released

GW..... OS..... PA.....

State or Fee Land

LOGS FILED

Driller's Log.....

Electric Logs (No.)

E..... I..... Dual I Lat..... GR-N..... Micro.....

*AC Sonic GR..... Lat..... MI-L..... Sonic.....

CBLog..... CCLog..... Others.....

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK
 b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 R. W. Pease

3. ADDRESS OF OPERATOR
 120 East Main, Vernal, Utah 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface NW.SW.Sec.15,T.13 S.,R.11 E.,S.L.M.
 At proposed prod. zone 533' from W-line & 2040' from S-line.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 About 10 mi. N. of Wellington, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 787'

16. NO. OF ACRES IN LEASE 840'

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

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

19. PROPOSED DEPTH 5000'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) Grd.:6300': K.B.:6310'

22. APPROX. DATE WORK WILL START* Jan.30,1975

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9 3/4"	7"	20.00#	250'	85 sks.

It is planned to drill a well at the above location to test the oil and gas potential of the various sand reservoirs in the Ferron member, in the Dakota formation, and in the Cedar Mountain formation. It is planned to drill the well with rotary tools using air as deep as possible. If the hole starts to cave badly, drilling will be converted to mud for circulation. About 250 ft. of 7" surface casing will be cemented with returns to the surface. A blowout preventer and rotating head will be installed on the top of the surface casing for well control. It is expected to encounter the top of the Ferron at a depth of about 3800'; the Dakota at 4300'; the Cedar Mountain at 4350'; and the Morrison at 5050'. A 6 1/2" hole will be drilled below the surface casing and 4 1/2" production casing will be set thru the productive sands, if the well is successful.

VB

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 St. Row Gingley TITLE Consulting Geologist DATE Jan.20, 1975

(This space for Federal or State office use)
 PERMIT NO. 13-007-30028 APPROVAL DATE _____

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

LOCATION PLANS FOR
R. W. PEASE
COAL CREEK # 2
NW.SW.SEC.15-13S-11E
CARBON COUNTY, UTAH

1. A survey plat (Plat No.1) showing the location of the proposed well is attached. Map No.1 shows the route to the well from Wellington, Utah. This map also shows all the secondary roads now present around the proposed well site.
2. The proposed site is immediately adjacent to a present road shown on Map No.1. No other access road will be required.
3. The map shows the location of Coal Creek #1 well which is currently being drilled. There are no other wells in the immediate area.
4. See 1 and 2 above.
5. A plan for the location of the completion equipment, in the event the well is successful, is shown on Plat No. 2.
6. Water for the drilling operations will be pumped out of the nearby Coal Creek, if running, or hauled by truck from a nearby ranch.
7. A plat (Plat No.3) showing the plan for the drilling equipment to be used in the drilling operations of the well is attached. This plat shows the reserve pit and burn pit. The dust cuttings from the drilling operations and excess mud will be deposited into the reserve pit. Trash and burnable material will be put into the burn pit. At the completion of the well, these pits will be folded in and levelled.
8. See location of house trailers on Plat No.3. No other camp facilities will be needed.
9. There are no airstrips near the well site and none will be needed during the drilling operations.
10. See Plat No.3 for the drilling equipment layout.
11. There is little topsoil at the drill site. The site needs only to be levelled and a reserve pit dug. No road work or deep cuts will be required. The area is covered with some sage brush and a few juniper trees. After the well is finished and abandoned, if dry, the pits will be folded-in and levelled and all trash removed. The surface will be graded and restored to its original state as near as possible.
12. As can be seen by the attached topo sheet, the area is fairly rugged and lies at the base of the Book Cliffs. Good suitable drill sites are rare; but the proposed location minimizes the amount of work and disturbance necessary for a site suitable for the drilling equipment. Mancos shale formation is on the surface and the Mesaverde rocks are exposed in the cliffs behind the drill-site. A powerline crosses the west end of the drill site; but will not interfere with the operations.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

110°45' R. 10 E.
39°45' T. 12 S.

R. 11 E.

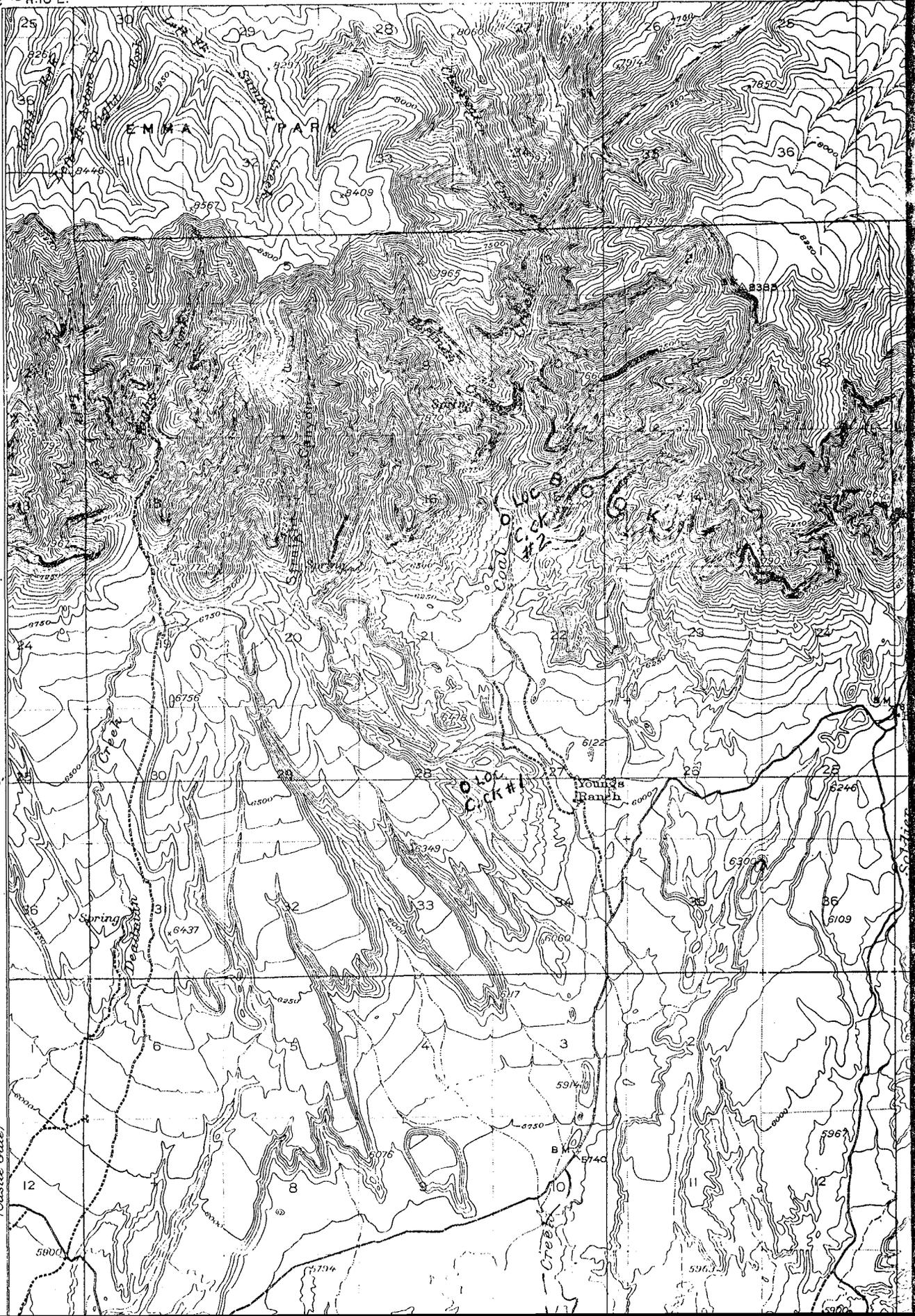
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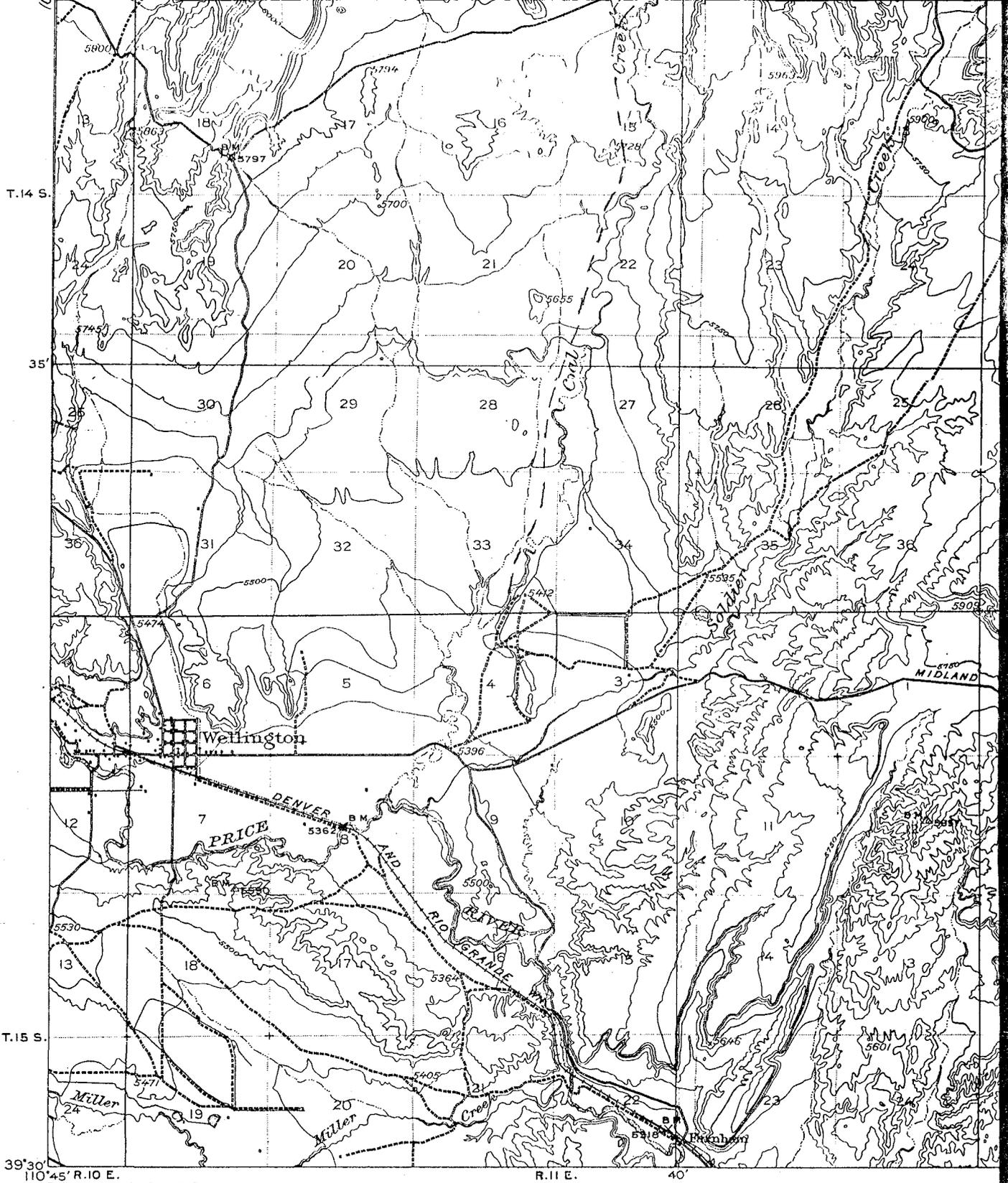
T. 12 S.

T. 13 S.

40

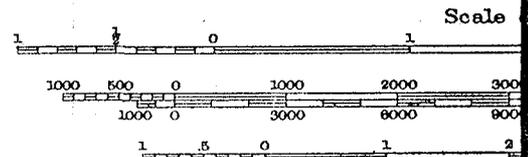
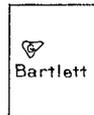
(Castle Gate)





39°30' 110'
 T.15 S.
 T.14 S.
 R.10 E.
 R.11 E.
 40'

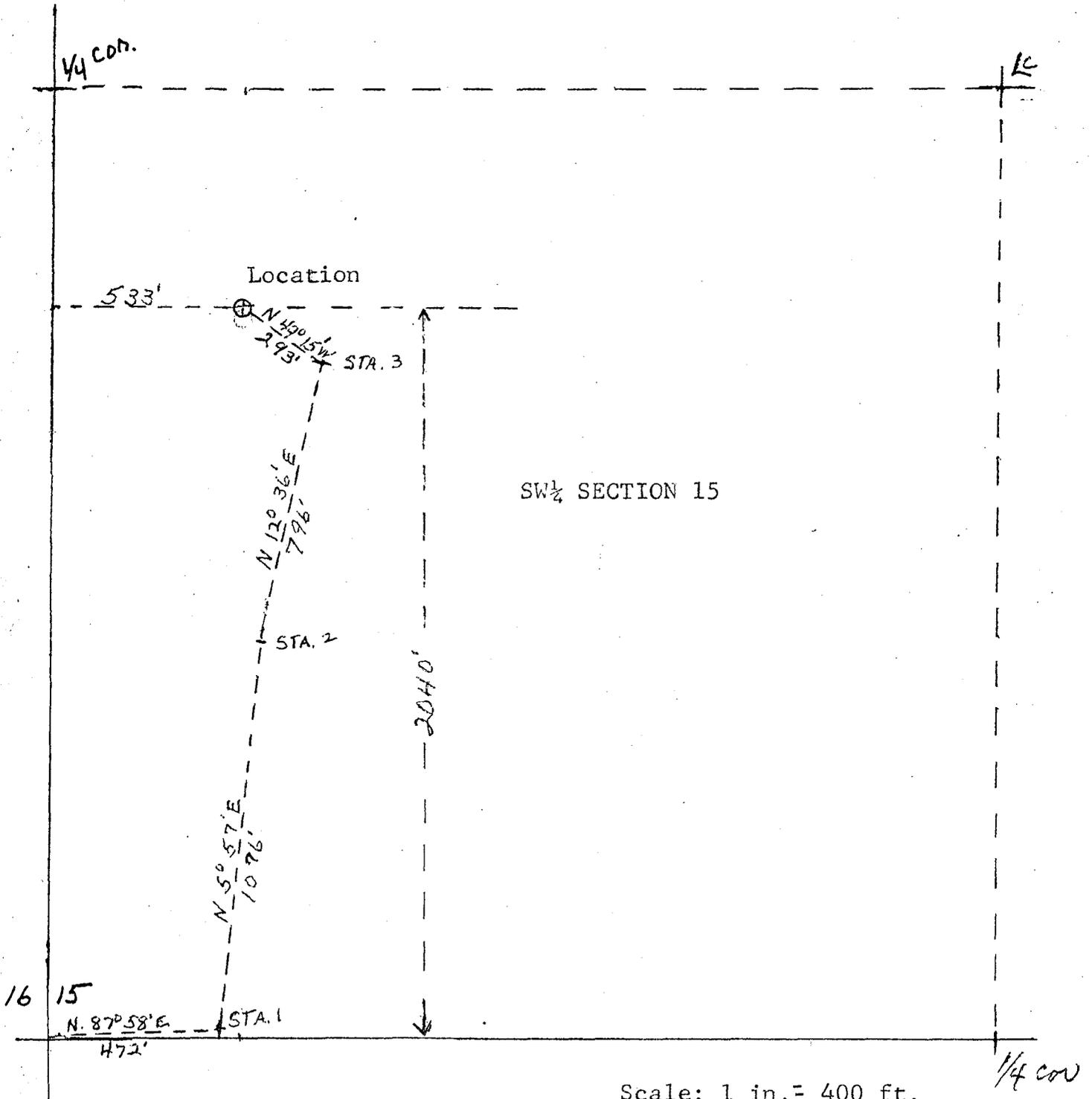
R. B. Marshall, Chief Geographer
 Geo. R. Davis, Geographer in charge.
 Topography by E. R. Bartlett and L. B. Glasgow.
 Control by T. M. Bannon, L. F. Biggs, and L. B. Glasgow.
 Surveyed in 1912-1914.



Contour interval
 Datum is mean

MAP NO. 1

SURVEY PLAT FOR
 R. W. PEASE
 COAL CREEK #2 WELL
 NW.SW.SEC.15-13S-11E
 CARBON COUNTY, UTAH
 (533' from W-line & 2040' fr.S-line)
 Elev.: 6300' grd.



Scale: 1 in. = 400 ft.
 Date: Jan. 20, 1975
 Surveyed by: W. Don Quigley

WELL CONTROL EQUIPMENT
FOR

R. W. PEASE COAL CREEK #2 WELL
NW.SW.SEC.15-13S-11E
CARBON COUNTY, UTAH

1. Surface Casing:

- A. Hole size for surface casing is 9 3/4"
- B. Setting depth for the casing is approx. 250'
- C. Casing specs. are: 7" O.D., J-55, 20.00#, 8-rd. thread, new or used.
- D. Anticipated pressure at setting depth is approx. 100#.
- E. Casing will be run and cemented with 85 sks of cement with returns to the surface.
- F. Top of casing will be just above ground level.

2. Casing Head:

Flange size: 8 (nominal); A.P.I. pressure rating: 2000#; Cameron or OCT; new or used; equipped with two 2" ports with nipples and 2", 1500# W.P. valves. Casing head and valves set above ground.

3. Intermediate Casing:

None planned.

4. Blowout Preventers:

- A. Double rams; hydraulic; one set of blind rams; one set of rams for 3 1/2" drill pipe; #8 flange or spoil with #8 to #10 flange; 3000# W.P.; Series 900; equipped with mechanical wheels and rods for back-up; set on top of casing head flange and secure y bolted down and tested for leaks up to 1500# pressure; Cameron, Shaffer, or equivalent.
 - B. Rotating head: 10"; set on top of blowout preventer and bolted securely; complete with kelly drive, pressure lubricator; 3 1/2" stripper rubber for 1500# W.P.; Shaffer or equivalent.
 - C. The fill and kill lines (2") are to be connected thru the 2" valves on the side of the casing head.
-

5. Auxillary Equipment:

A float valve (2000#) is to be used in the bottom drill collar at all times. A string-float will also be used in the drill pipe and kept within 200'-300' below the surface at maximum.

6. Anticipated Pressures:

The shut-in pressure of the gas zones in wells near to the proposed well is about 950-1200# at depths of around 4000'. Pressures of all other zones should be no greater than this in the subject well.

7. Drilling Fluids:

Air will be used down thru the Dakota sands and then will be converted to mud to keep control of the caving zones found thruout the Cedar Mountain formation at depths of 4350'-5050'.

8. Production Casing:

A. Hole size: 6 $\frac{1}{2}$ "

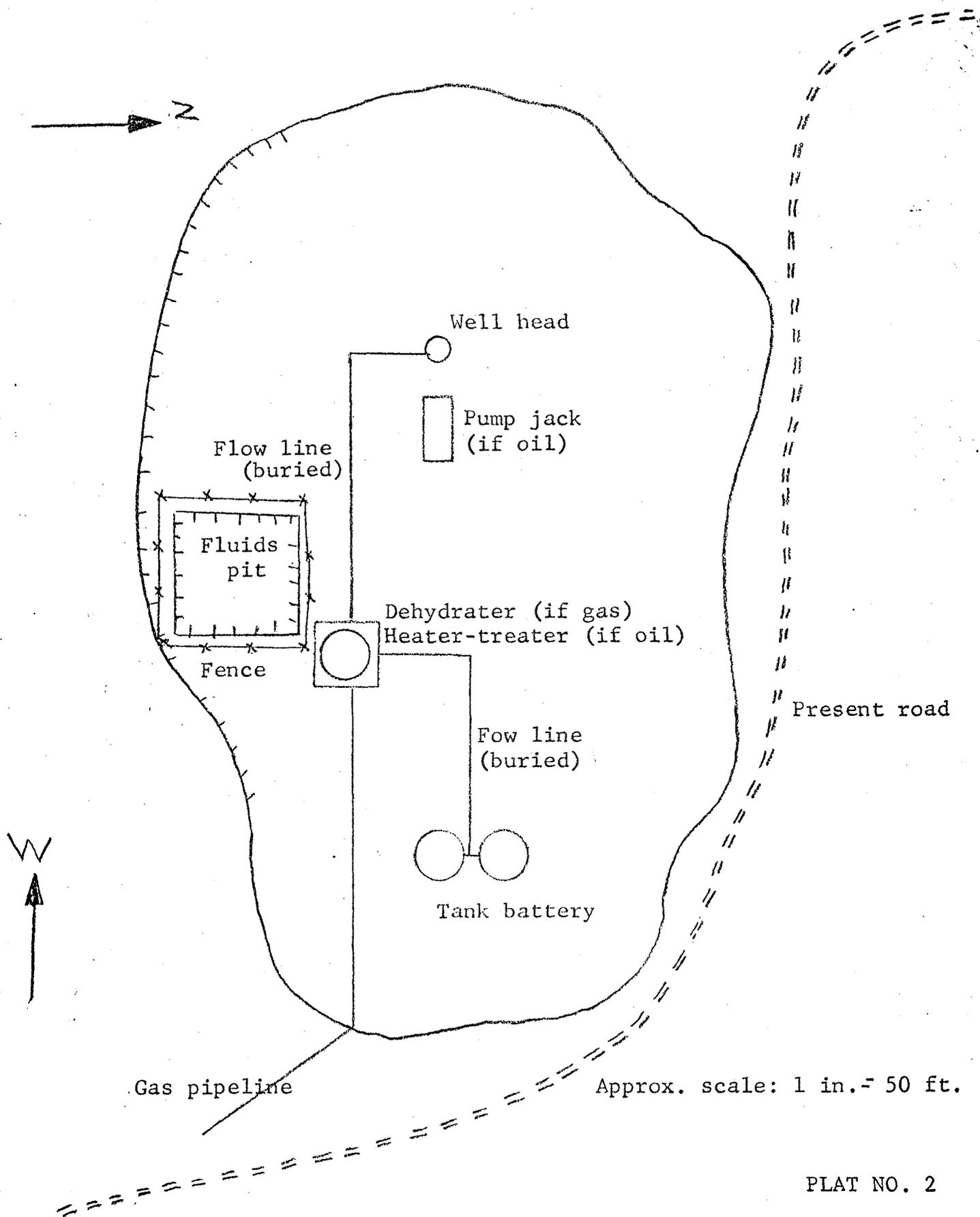
B. Approximate setting depth: 4500' which will be thru the gas sand but the casing will be cemented above the sand.

C. Casing specs: 4 $\frac{1}{2}$ " O.D., J-55, 9.50#, 8-rd. thread, new or used.

D. Casing will be run with a Lynes packer set above the top of the oil sand and one or two joints of casing below the packer (plugged at the bottom). The bottom of the casing will be set on the bottom of the hole. The casing will then be cemented above the packer thru perforations or thru a D-V tool with 50 sacks of cement. The cement will be allowed to cure for 24 hrs., and then the casing will be set on the slips (4 $\frac{1}{2}$ " in the casing head, holding at least 10,000#, and cut off. A tubing head, 8" to 2", series 600, 2000# W.P. will be installed on the casing head flange and bolted securely.

E. Tubing, 2 3/8" O.D., upset, J-55, 4.70#, new, will be run with a 3 $\frac{1}{2}$ " bit and the plug will be drilled out. The bit will then be removed and a seating nipple and perforated joint will be installed on the bottom of the tubing and run back in the hole and landed just below the Lynes packer. The tubing head flange will be connect to the tubing and secured to the top of the head. A 2" master valve will be installed on top. About $\frac{1}{2}$ of the water will then be swabbed out of the casing and tubing and the well will be perforated below the bottom of the tubing and swabbed-

PLAN FOR PRODUCTION EQUIPMENT
R.W. PEASE COAL CREEK NO. 2 WELL
NW. SW. SEC. 15-13S-11E.
CARBON COUNTY, UTAH



Gas pipeline

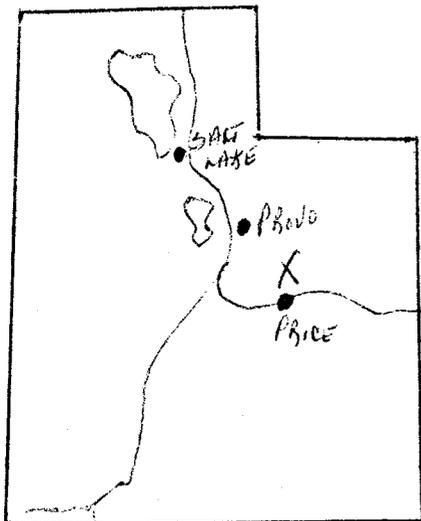
Approx. scale: 1 in. = 50 ft.

ENVIRONMENTAL ASSESSMENT

WILDCAT WELL - COAL CREEK #2

Prepared by the Division of Oil &
Gas Conservation

January, 1975



Anticipated Major Environmental Impacts:

Physical - Geological displacement and
soil erosion

Biological - Not significant

Human - Not Significant. However,
secondary impacts could be of some
economic value depending upon the
success of exploration.

Contents:

Description

Alternatives

Impact:

Direct

Indirect

Mitigative Measures

Short-Term versus Long Term Effects

Irreversible and Irretrievable

Commitments

Controversial Elements

Estimated Cost: \$60,000

Proposed Action: As authorized by State Mineral Lease No. 28124, R.W. Pease proposes to drill an exploratory oil and/or gas well to a depth of 5050 feet to test the Ferron, Dakota, Cedar Mountain, and Morrison Formations.

The Coal Creek Canyon road goes right past the location. No other access road will be necessary. Said Coal Creek canyon road is unimproved approximately the last 2 miles into the location. Erosion and deep ruts caused by melting snow and present traffic will necessitate some road work before the rig can be moved onto the location.

Present Situation: Available records indicate that Mr. Pease has drilled a well approximately 2 miles Southwest of this location. Said well was a dry hole and has been plugged and abandoned.

Boundaries: The proposed well is to be drilled 533 feet from the west line and 2040 feet from the south line of Section 15, Township 13 South, Range 11 East, SLBM, Carbon County. The well site is approximately 8 miles northeast of the town of Price and will disturb an area of approximately 700 feet by 450 feet. (see attached map, Exhibit A)

Physical: The well site is located in the mouth of Coal Creek Canyon. The topography of the site and surrounding area is shown in pictures 1, 2, and 3. The site has a relief of less than 10 feet, and an elevation of 6,000 feet. The land slopes from west to east across the site. As can be seen from the attached photos and topography map (exhibit A) the area is fairly rugged and lies at the base of the Book Cliffs. Good suitable drill sites are rare; but the proposed location minimizes the amount of work and disturbance necessary for a site suitable for the drilling equipment. Mancos Shale formation is on the surface and Mesaverde rocks are exposed in the cliffs behind the drill site. A powerline crosses the west end of the drill site, but will not interfere with drilling operations.

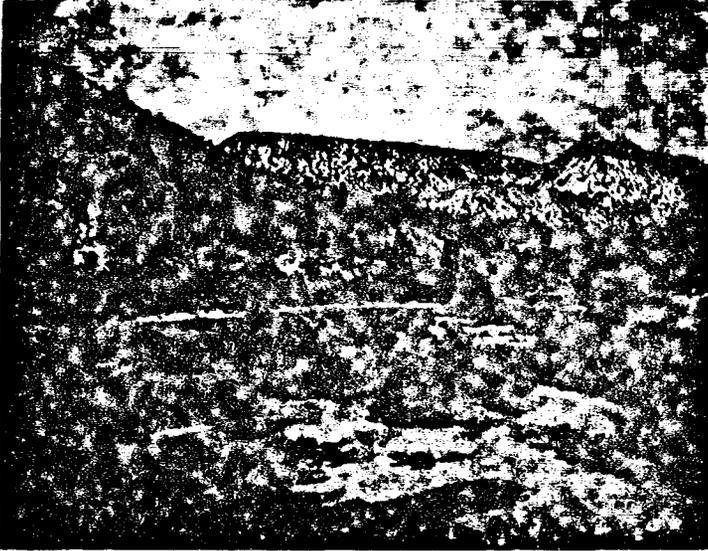
Biological: The area is covered with sage brush and a few juniper trees. No animals were observed during the inspection. However, it can be assumed that deer, rabbits, mice, etc., frequent the area.

Human: The nearest human habitation to the site is over 2 miles southeast. The nearest community is Price, 8 miles southwest. Twelve to fifteen employees will work at the proposed site and will live temporarily in motels and eat at local restaurants in Price.

No archeological or historical sites could be observed on or within the immediate vicinity of the area to be disturbed.

Status Quo: The areas oil and gas potential cannot be determined without exploratory drilling.

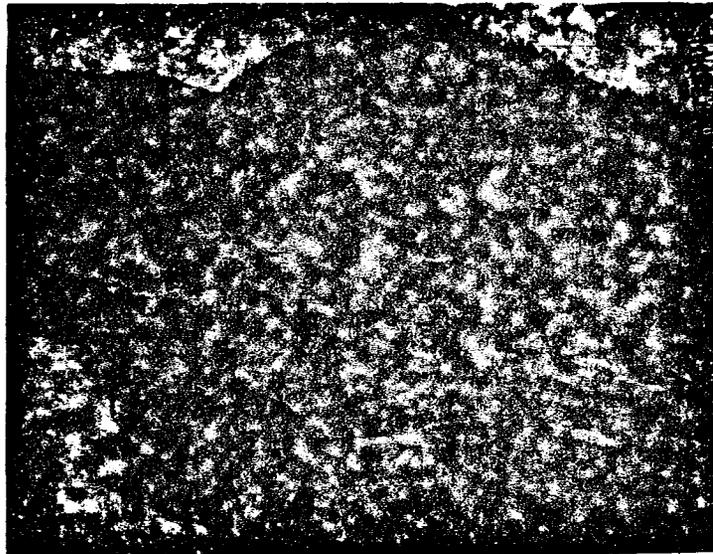
Looking East



Looking West



Looking Northwest

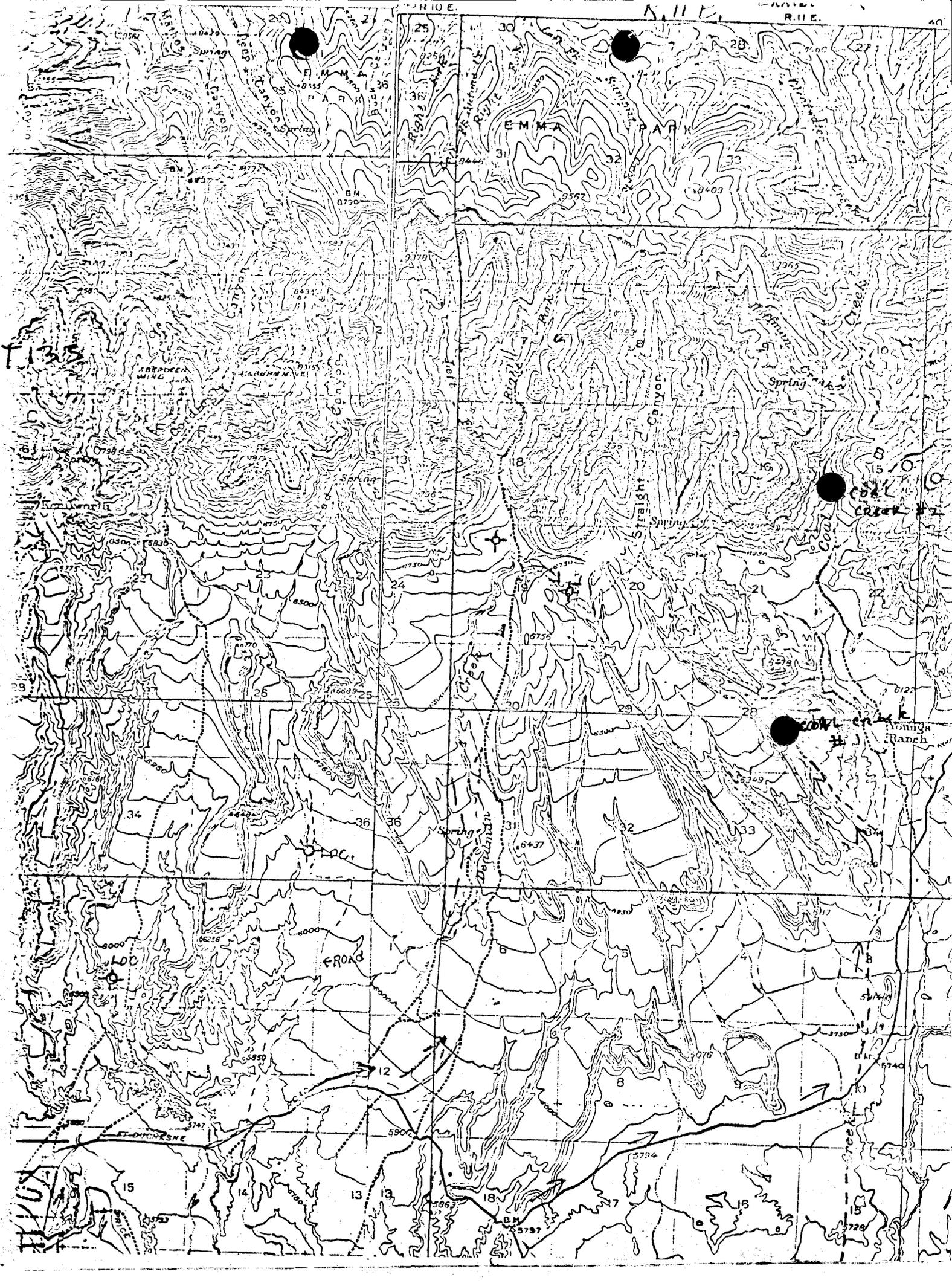


F135

COW CRACK #2

COW CRACK Ranch

F135



Environmental Assessment
Page Four

Alternate 2: This location could only be moved to the south, but such a move would not benefit anyone or anything. Also, since there are a number of faults in the area, such a move might place the well directly over a fault.

IMPACT - DIRECT:

Air Quality: Engine emissions from the drilling rig, power plant, and from about 5 or 6 motor vehicles per day, entering and leaving the site, will be exhausted to the atmosphere. If and when the road dries out, these same vehicles would also raise some dust.

Noise: Noise will not be a problem because of the rig's isolated location.

Water: Surface water - No streams or other surface waters exist on the tract. There is no natural perennial stream within close proximity of the well site. Water for drilling operations will be pumped out of the nearby coal creek, if running, or hauled by truck from one of the ranches in the area. Since the site drains to the southeast into coal creek, should the well be brought in as a producer, it will be required that all tanks containing produced fluids be surrounded by earthen dikes which have volumetric capacities greater than the tanks; for the purpose of containing any accidental spills, should they occur. In the meantime, a reserve pit approximately 50 feet by 50 feet will be constructed to contain excess drilling fluids.

Ground water - Adequate surface casing will be set and cemented to protect subsurface water quality.

Geological: There is very little topsoil at the drill site. The site needs only to be leveled, the vegetation removed with a dozer blade to reduce the fire hazard, and a reserve pit dug. No deep cuts will be required and very little road work. However, as a result of the above, a temporary unavoidable impact (moderate erosion) will be experienced.

Biological: There will be a disturbance of vegetation in the area to be cleared. Re-seeding might be difficult but in time the sage will return of its own accord.

Human: Since Price is already experiencing an economic boom from coal development, little impact, if any, will result from this operation.

IMPACT - INDIRECT:

Employment: *During the initial drilling phase, no local residents will be employed. If an oil or gas field is discovered the picture would change.

*please note: an oil and/or gas field does not in and of

itself require a large number of employees. It is only when an oil field is large enough to support a refinery or gas plant, together with supporting facilities, that the impact on the local community becomes significant.

Public Service Requirements: A drilling rig needs no support. Only the discovery of a large oil field would have significant impact.

Tax: Discovery of an oil and/or gas field would create an additional tax base for the county.

Mitigative Measures: If the well is dry it will be plugged and abandoned in such a manner as to protect the ground water and any other form of hydrocarbon or minerals encountered. The pits will be filled-in and leveled, all trash removed, and the surface graded and restored to its' original state as near as possible.

Short-Term vs. Long-Term Effects: In this time of energy shortages, if useful resources are discovered, the economic gains in the long run will far outweigh any environmental losses. Otherwise, the small scale, the short time, and the planned rehabilitation of disturbed surface area, would preclude any long-term damage to the well site. As a consequence of site restoration and natural events, the site should return to its original conditions in 2 to 5 years after the well is plugged and abandoned.

Irreversible and Irretrievable Commitments: If the well is plugged and abandoned, the immediate area will be condemned for many years insofar as future exploratory drilling is concerned. Also, it can be said that the \$60,000 required to drill this well has gone down the hole.

THE STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF STATE LANDS
105 STATE CAPITOL BUILDING
SALT LAKE CITY, UTAH 84114

BOARD MEMBERS
J. Harold Reese, Chairman
Phillip V. Christensen
J. Whitney Floyd
Donald J. Hoffman
Kenneth A. Middleton
Don Showalter
Dr. Walter D. Talbot



CHARLES R. HANSEN
Director

February 7, 1975

Division of Oil and Gas Conservation
1588 West North Temple
Salt Lake City, UT
84116

ATTENTION C. B. Feight

Gentlemen:

Enclosed please find a copy of the Designation of Agent from Gas Producing Enterprises, Inc. appointing R. W. Pease as agent for the drilling of a well on state oil, gas and hydrocarbon lease ML 28124 which covers SW $\frac{1}{4}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 15; All of Section 16, T13S, R11E, SLM.

I trust this will be sufficient for you to approve the necessary permit for drilling on these leased lands, since Gas Producing Enterprises, Inc. does have on file with this office a statewide drilling bond for operations on State lands.

Yours very truly,

Donald G. Prince
Assistant Director

DGP/vlb

State-w bond # 265

File in Duplicate

DIVISION OF OIL AND GAS CONSERVATION
OF THE STATE OF UTAH

DESIGNATION OF AGENT

The undersigned producer, operator, transporter, refiner, gasoline or initial purchaser who is conducting oil and/or gas operations in the State of Utah, does, pursuant to the Rules and Regulations and Rules of Practice and Procedure of the Division of Oil and Gas Conservation of the State of Utah, hereby appoint R. W. Pease, whose address is 120 East Main, Vernal, Utah 84078, (HAB/HBT/BA Its) designated agent to accept and to be served with notices from said Board, or from other persons authorized under the Oil and Gas Conservation Act of the State of Utah.

The undersigned further agrees to immediately report in writing, all changes of address of the agent, and any termination of the agent's authority, and in the latter case, the designation of a new agent or agents shall be immediately made. This designation of agent, however, shall remain in full force and effect until and unless a new designation agent is filed in accordance with said statute and said regulations.

Effective date of designation January, 1975

The Designation of Agent applies only to State Lease ML-28124.

Company Gas Producing Enterprises, Inc. Address P.O. Box 749, Denver, Colorado 80201

By E. P. Norton Title Vice President
(signature)



NOTE: Agent must be a resident of the State of Utah

February 21, 1975

R.W. Pease
120 East Main
Vernal, Utah 84078

Re: Well No. Coal Creek State #2
Sec. 15, T. 13 S, R. 11 E,
Carbon County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

CLEON B. FEIGHT - Director
HOME: 466-4455
OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation relative to the above will be greatly appreciated.

The API number assigned to this well is 43-007-30028.

Very truly yours,

DIVISION OF OIL AND GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sw
cc: Division of State Lands

STATE OF UTAH
DIVISION OF OIL & GAS CONSERVATION
DEPARTMENT OF NATURAL RESOURCES

7
101

PLUGGING PROGRAM

NAME OF COMPANY R.W. Pease
WELL NAME Coal Creek St. #2 API NO: 43-004-30028
Sec. 15 Township 13S Range 11E County Carbon

Verbal Approval Given to Plug the Above Referred to Well in the Following Manner:

Total Depth: 4721'

Casing Program:

Formation Tops:

309' of surface
Casing

Furn - 4170' - 4380'
Dakota - 4710'

Plugs Set as Follows:

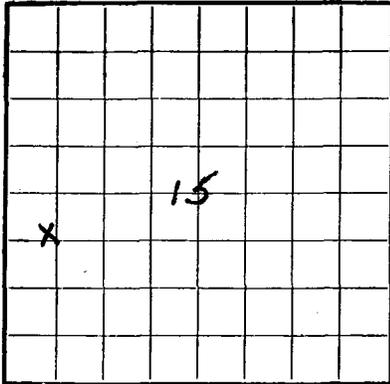
4720' - 4520' 25 sacks, bottom of hole
4400' - 4100' 40 " , across Furn
350' - 250' 20 " , marker

Fresh water @ 685', ~~no~~ no shows of oil & n gas

Date: 2-28-75 Signed: Schein

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City, Utah



LOCATE WELL CORRECTLY

To be kept Confidential until _____
(Not to exceed 4 months after filing date)

LOG OF OIL OR GAS WELL

Operating Company Pease Oil & Gas Co. Address P. O. Box 548, Grand Junction, Colo.
Lease or Tract: ML-28124 Field Wildcat State Utah
Well No. CC#2 Sec. 15 T. 13S R. 11E Meridian SLM County Carbon
Location 2040 ft. ^(N.) of S. Line and 533 ft. ^(E.) of W Line of Sec. 15 Elevation 6300'
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Date Mar. 10, 1975 Signed H. Don Finley Title Cons. Geol.

The summary on this page is for the condition of the well at above date.

Commenced drilling Feb. 4, 1975 Finished drilling Feb. 27, 1975

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from none to _____ No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 575' to 585' (1" stream of fresh water.)
No. 2, from _____ to _____ No. 3, from _____ to _____
No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From-	To-	
7"	20.00#	8-rd.	J-55	309'	Guide	none	none	none	Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
	Mudded-up at 4720'				

MARK

FOLD

PLUGS AND ADAPTERS

Heaving plug—Material none Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
	<u>none</u>					

TOOLS USED

Rotary tools were used from 0 feet to 4720 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Date P & A Feb. 28, 1975 Put to producing none, 19____

The production for the first 24 hours was none barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours none Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

W.H. Stoker, Driller R. J. Deroche, Driller
Gaylen States, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			At the end of complete Driller's Log add Geologic Tops. State whether from Electric Logs or samples.
Mancos	surface	4140'	Based on samples
Ferron	4140'	4380'	
Tununk	4380'	4710'	
Dakota	4710'	T.D. 4720'	
TOTAL DEPTH	4720'		
SEE ATTACHED WELL AND GEOLOGIC REPORT			

{OVER}