

UTAH OIL AND GAS CONSERVATION COMMISSION

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

DATE FILED **9-6-83**

LAND: FEE & PATENTED _____ STATE LEASE NO. _____ PUBLIC LEASE NO **U-10199** INDIAN _____

DRILLING APPROVED: **9-8-83 - GAS**

SPUDED IN: _____

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____

GRAVITY A.P.I. _____

GOR. _____

PRODUCING ZONES: _____

TOTAL DEPTH: _____

WELL ELEVATION: _____

DATE ABANDONED: *Application Rescinded 4-26-85 Per BLM*

FIELD: ~~WILDCAT~~ *Pine Springs 3/86*

UNIT: **PINE SPRING**

COUNTY: **UINTAH**

WELL NO **PINE SPRING FED. 16-13-14-21** API # **43-047-31378**

LOCATION **456' FNL** FT. FROM (N) (S) LINE. **674' FEL** FT. FROM (E) (W) LINE. **NENE** 1/4 - 1/4 SEC. **13**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
------	------	------	----------	------	------	------	----------

14S	21E	13	COSEKA RESOURCES
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COSEKA RESOURCES (U.S.A.) LIMITED

2512 E 1/4 ROAD, P.O. BOX 399, GRAND JUNCTION, COLORADO 81502 (303) 245-6220

September 1, 1983

State of Utah
Division of Oil, Gas & Mining
4241 State Office Bldg.
Salt Lake City, Utah 84114

RECEIVED
SEP 03 1983
DIVISION OF
OIL, GAS & MINING

Re: Application for Permit to Drill
Well #16-13-14-21
Lease #U-10199

Dear Sirs:

Enclosed is an Application for Permit to Drill for the above listed well. Please note that all information concerning this well is considered Confidential.

If you have any questions please do not hesitate to call.

Sincerely,

Stacy Stewart
Field Services Administrator

SS/ejp

Enclosure

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

(Other instructions on reverse side)
CONFIDENTIAL

5. Lease Designation and Serial No.
U10195
10198

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

COSEKA RESOURCES (USA) LIMITED

3. Address of Operator

P.O. Box 399, Grand Junction, Colorado 81502

4. Location of Well (Report location clearly and in accordance with any State requirements.*)

At surface 654' FEL, 456' FNL Section 14, T14S, R21E S.L.B. & M.

At proposed prod. zone Same

14. Distance in miles and direction from nearest town or post office*

77.7 miles south of Ouray, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

16. No. of acres in lease

1,200

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.

19. Proposed depth

2,872'

20. Rotary or cable tools

Rotary

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

6,609' Ungr.

12. County or Parrish 13. State

Uintah Utah

23.

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#	500'	To surface
6 1/4"	4 1/2"	10.5#	T.D.	To surface casing

Attachments:

- Exhibit "A" - Ten Point Compliance Program
- Exhibit "B" - B.O.P. Schematic
- Exhibit "C" - Proposed Production Layout
- 13 Point Surface Use Plan and Maps
- Certified Survey Plat

RECEIVED
SEP 06 1983

DIVISION OF OIL, GAS & MINING
APPROVED BY THE STATE OF UTAH
DATE: 8/31/83
BY: [Signature]

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: [Signature] Title: Field Services Administrator Date: 8/31/83

(This space for Federal or State office use)

Permit No. Approval Date

Approved by Title Date

Conditions of approval, if any:

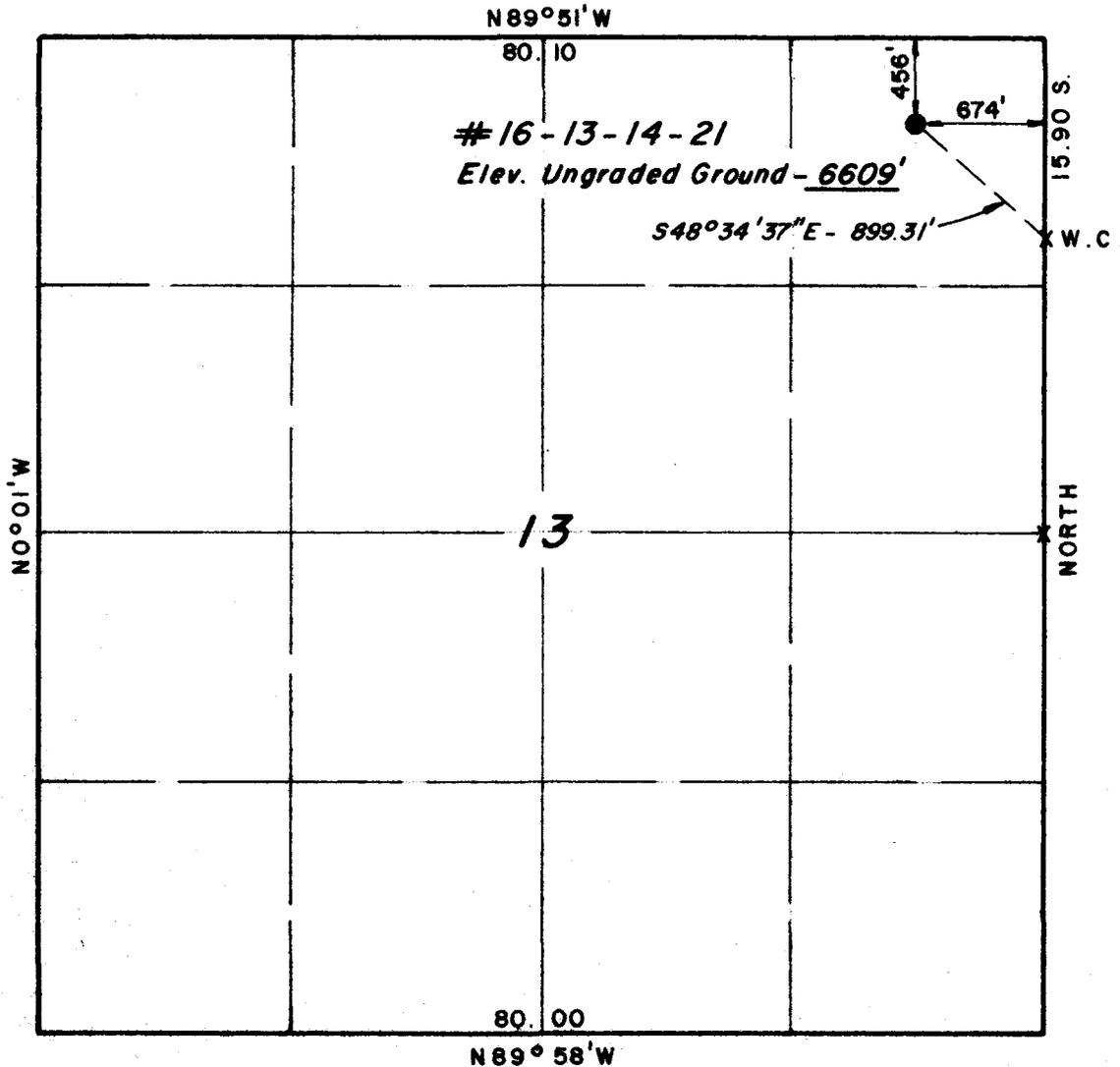
CONFIDENTIAL

*See Instructions On Reverse Side

T 14 S , R 21 E , S . L . B . & M .

PROJECT
COSEKA RESOURCES U.S.A. LTD.

Well location, # 16-13-14-21, located as shown in the NE 1/4 NE 1/4 Section 13, T 14 S, R 21 E, S. L. B. & M. Uintah County, Utah.



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.

[Handwritten Signature]

REGISTERED LAND SURVEYOR
 REGISTRATION NO 2454
 STATE OF UTAH

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

SCALE	1" = 1000'	DATE	10/7/82
PARTY	RT CM DK BK RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	COSEKA

X = Section Corners Located

Exhibit "A"

Ten Point Compliance Program

NTL-6

Attached to Form 9-331C
Well #16-13-14-21

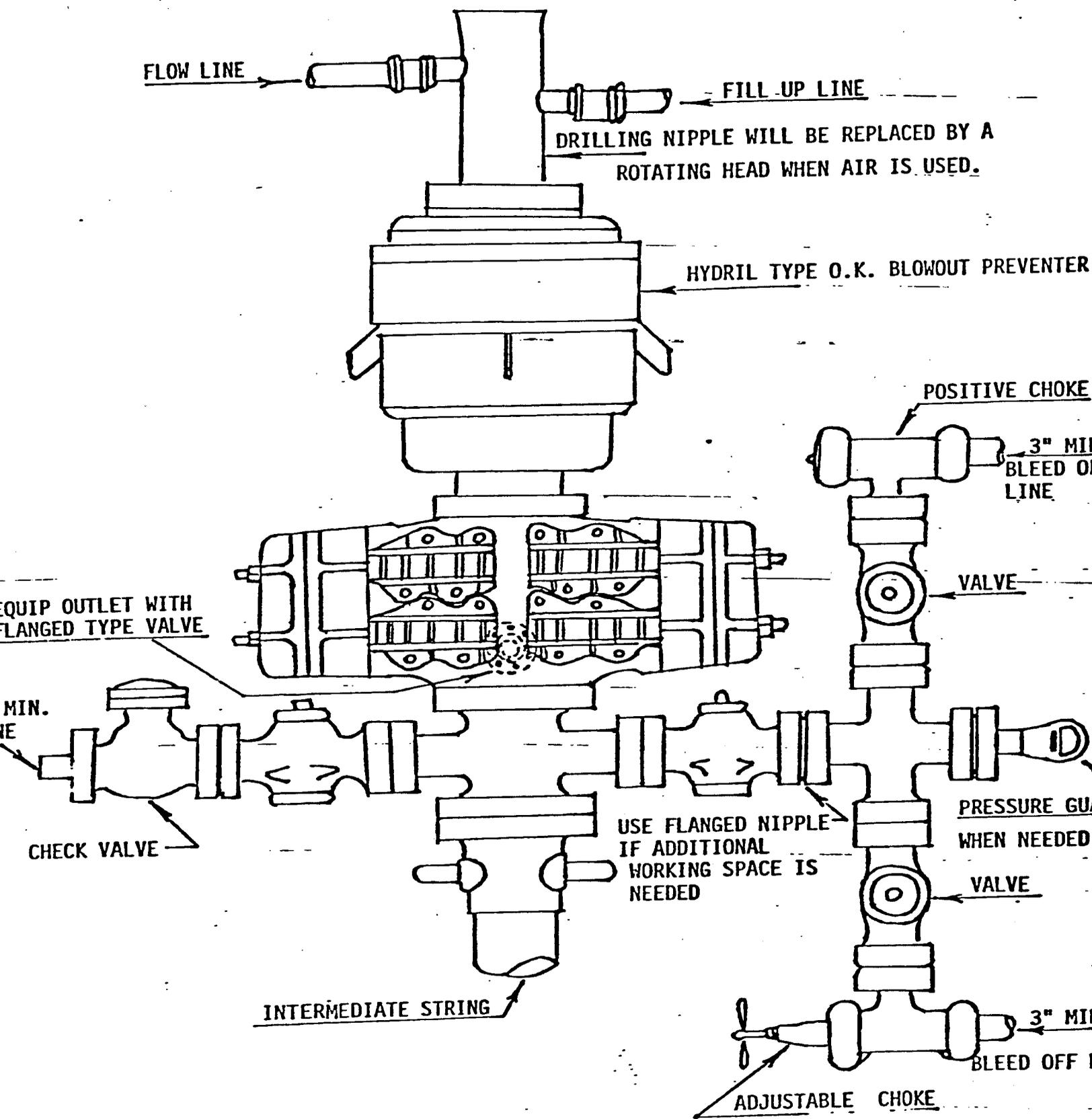
1. The geological name for the surface formation is the Green River Formation of Middle Eocene Age.
2. The estimated tops of important geological markers with depths calculated from an estimated RKB elevation of 6,609' are as follows:

Top Wasatch	1,312'
Top Mesa Verde	2,672'
Upper Dark Canyon	2,337' ✓
Lower Dark Canyon	2,537' ✓
Total Depth	2,872'

3. Of the formations listed above it is anticipated that the Dark Canyon formation may be gas bearing in the well.
4. The proposed casing program for completion of this well will consist of 4 1/2", 10.5#, K-55 new casing; 500' of 8 5/8", 24#, H-40 surface casing will be run and will be new.
5. The operator's minimum specifications for pressure control equipment are as follows:
A 10" Series 900 Hydril Bag type BOP and a 10" Double Ram Hydraulic unit with a closing unit will be utilized. Additionally, while air drilling, a Series 900 Rotating Head will be used. Pressure tests of BOP's to 1000# will be made after installation and operation and will be checked daily. (See Exhibit "B")
6. It is proposed that the hole will be drilled with air and mist as necessary in order to clean the hole.
7. Auxiliary equipment to be used will be a Kelly Cock and a Float at the Drill bit.
8. No coring or drill stem testing has been scheduled for this well. The logging will consist of a dual induction laterolog and a compensated neutron formation density log.

9. It is not anticipated that abnormal pressures or temperatures will be encountered nor that any other abnormal hazards such as H₂S gas will be encountered in this area.
10. It is anticipated that this well will be commenced approximately September 25, 1983 and that the operations will last three weeks.

NORMAL FORMATION PRESSURES AND TEMPERATURES ARE EXPECTED AND BOP EQUIPMENT WILL BE 900 SERIES 3000 PSI



Coseka Resources (U.S.A.) Limited

13 Point Surface Use Plan

for

Well Location

#16-13-14-21

Located in

Section 13, T14S, R21E

Uintah County, Utah

1. Existing Roads

- A. For the location of the proposed well and the existing roads, see the attached Topographic Maps "A" and "B". The proposed well is located in the NE 1/4 NE 1/4 Section 13, T14S, R21E, S.L.B.& M. See well plat.
- B. The proposed location is approximately 77.7 miles south of Ouray, Utah. To reach Coseka Resources Well #16-13-14-21, proceed south from Ouray on the Seep Ridge Road for 55.2 miles to the Bookcliff Divide Road. Turn right and continue 9.2 miles. Turn right and continue 5.7 miles to the proposed access road sign. Turn right and proceed 3.8 miles along the proposed access road to location. Traveling off the existing and proposed roads will not be allowed.
- C. The proposed route is outlined on Topographic Map "A"
- D. See Topographic Map "B".
- E. Not applicable.
- F. Access to the well site will be over existing county and BLM roads. No private roads will be used. County and BLM roads will be regularly maintained by grading, crowning and ditching at least once a year or when necessary. The proposed access road will be crowned and ditched so as to accommodate rig traffic. Maintenance will be in accordance with the standards set forth in the brochure Surface Operating for Oil and Gas Exploration. See Topo Map "B" for details of the existing access road.

2. Planned Access Roads

The BLM will be notified at least 24 hours prior to any construction. See attached Topographic Map "B".

The planned access road will be approximately 3.8 miles in length and will comply with the general specifications as outlined.

- (1) The proposed access road will be an 18' crown road usable (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from any normal weather conditions that are prevalent to this area.
- (2) The maximum grade of the proposed access road will be 8%. See Topo Map "B" for details of maximum grades and drainage crossings.
- (3) No turnouts are planned for the length of the proposed access road, so that additional cut disturbance on the proposed access can be kept to a minimum.
- (4) Drainage design of the proposed access road will avoid unnecessary disturbance of natural runoff patterns; however, because of the character of the terrain, several runoff drainages will be impacted. Drainage will be implemented so as not to cause siltation

or accumulation of debris. Depending upon soil and precipitation factors, drainage dips will be incorporated where appropriate. Where drainages are crossed, low water crossings will be utilized as outlined in BLM/USGS, Surface Operating Standards, p. 25, whenever possible. If low water crossings are deemed not feasible, culverts will be installed as outlined in Surface Operating Standards, p. 22, 23.

- (5) Because of the steep terrain through which the proposed access route will be built, substantial road cut and road fill will be encountered once the route leaves the existing road. Such cut and fills are unavoidable, but should not present permanent high erosion potential. No culverts are planned.
- (6) Surfacing material shall be the native borrow material from the cut areas and will be used to stabilize the road surface and location. No other material for construction is anticipated.
- (7) At the fence encountered along the proposed access road in Section 26, a cattleguard and gate will be installed. The cattleguard will have a loading factor large enough to facilitate the heavy trucks required in the drilling and completion of this well.
- (8) The road has been center-line flagged for the full distance of the proposed route.

3. Location of Existing Wells

See Map "C". For information purposes, the following wells are within a two mile radius of the proposed well.

- (1) Water wells - None
- (2) Abandoned wells - None
- (3) Temporarily abandoned wells - None
- (4) Disposal wells - None
- (5) Drilling wells - None
- (6) Producing wells - None
- ✓(7) Shut-in wells - 1 in Section 12, T14S, R21E
1 in Section 18, T14S, R21E
1 in Section 7, T14S, R22E
1 in Section 20, T14S, R22E
- (8) Injection wells - None
- (9) Monitoring wells - None

4. Location of Existing and Proposed Facilities

A. There are no existing production facilities located within one mile of the proposed well. See Topographic Map "B".

- (1) Tank batteries - None
- (2) Production facilities - None
- (3) Oil gathering lines - None
- (4) Gas gathering lines - None
- (5) There are no injection lines in the area.
- (6) There are no disposal lines in the area.

There are no known gas lines in the immediate area.

B. Due to the exploratory nature of the Coseka Resources drilling program, we are unable to anticipate any production. However, the attached Exhibit "C" shows the proposed production facilities that will be utilized in the event commercial gas is encountered. All production facilities will be kept on the pad and will be painted an earth tone color to match mesa brown enduratonone or an approved equal. The off-location gas gathering line will be proposed and plans submitted after the well is completed and tested.

Construction materials will be native borrow or cut exposed on the site, and will be consistent with accepted oil field standards and good engineering practices.

A net sheep wire fence with one strand of barbed wire will be constructed and maintained around any disposal pits during the drilling and completion phase of the well. When these pits are no longer needed and have been allowed to dry, they will be covered over with native borrow material and rehabilitated to conform with the provisions of the rehabilitation agreement of BLM standards. A welded pipe fence will be constructed around the wellhead to prevent access to livestock or larger wildlife.

C. Rehabilitation of the pits is discussed above. The remaining pad not used for producing operations will be recontoured to conform with the natural grade and covered with topsoil stockpiled on the site. This area will be reseeded as per current BLM guidelines.

5. Location and Type of Water Supply

✓ A. Water to be used to drill this well will be hauled by truck from Willow Creek in the SE 1/4 of Section 9, T14S, R21E. ✓ Coseka Resources has negotiated a water agreement with Jim Tomlinson. P.R. Springs will not be used for a water source.

B. Water will be hauled by trucks on the above described access route. See route on Topographic Map "A". No new roads or pipelines will be needed for this purpose.

C. No water well will be drilled.

6. Source of Construction Materials

A. All construction materials for this location site and access road shall be native borrow rock and soil accumulated during the construction. No additional road gravel is anticipated at this time, but if it is required, appropriate action will be taken to acquire them from private sources after notification is given to the proper regulatory agencies.

Trees and brush will be pushed off and stockpiled. This will be done prior to any mineral soil being bladed. No topsoil will be saved due to the lack of same.

B. Items described in part "A" are from Federal lands.

C. See part "A".

D. No other access roads are required other than described in Item 2.

7. Methods for Handling Waste Disposal

See Location Layout for the size and location of the reserve pit and the location of the fine mesh wire trash cage. Excess "cut" material will be stockpiled as marked on the Location Layout Sheet.

(1) Drill cuttings, drilling fluids, salts, chemicals and produced fluids will be disposed of in the reserve pit, that is lined with plastic, on the location pad. This pit will be approximately 8 feet deep and at least one half of this pit will be used as a fresh water storage during the drilling of the well. The disposal and storage areas shall be separated by a dike. Dust produced during the air drilling phase shall be suppressed by inserting a water hose with a spray nozzle into the 7" flow line. A water mist will be continuously injected into the dust stream during the dusting phase of the drilling.

(2) See Item 1 above for disposal of drilling fluids.

(3) See Item 1 above for disposal of produced water. Any oil produced after the well is connected to a pipeline will be collected in a tank on location and trucked for sale to the buyer to be determined at that time. No oil production is anticipated from this well.

(4) A portable chemical toilet will be provided for human waste during the drilling phase.

- (5) Garbage and other waste material will be contained in a trash cage and hauled away by truck to a disposal site provided by Galley Construction in Grand Junction, Colorado. Burn pits will not be used.
- (6) Immediately after the drilling rig moves off the location, the remaining trash and garbage will be collected and hauled away by truck. The reserve pit will be fenced on the open side to protect domestic animals and wildlife. This pit will be utilized during the completion and testing phase of the well for storage of produced fluids. As soon as the testing is completed, the pit will be covered. The drilling pad will then be reclaimed as detailed in Item 10 discussed below.

8. Ancillary Facilities

No airstrips or camps are planned for this well.

9. Well Site Layout

See attached Location Layout Sheet which shows the following items:

- (1) Cross section of the pad showing details of the cuts and fills.
- (2) Location of the reserve and blooey pits, pipe racks, living facilities and excess "cut" stockpile.
- (3) Rig orientation, parking areas and access road.
- (4) The reserve pit will be lined with a plastic pit liner.

10. Plans for Restoration of Surface

The BLM will be notified at least 24 hours prior to any rehabilitation activities.

In the event of a dry hole, pits will be allowed to dry and will then be backfilled and waste pits will be backfilled. The location will be restored to as near the original contour as feasible and then reseeded.

- (1) Upon completion of the testing phase of the well and prior to the pipeline hookup, the areas not needed for access to the well and used for producing operations shall be filled and recontoured to blend with the surrounding topography, then ripped to a minimum depth of twelve inches throughout the unused disturbed area. This activity should be completed during the Fall of 1983. After final plugging and abandonment of the well, the entire disturbed area will be contoured and ripped as described above over any previously disturbed area.
- (2) The revegetation of the drill site area and access not needed to carry on production operations will be reseeded with a seed mixture recommended by the BLM District Manager. It will be per-

formed at a time of the year when the moisture content of the soil is adequate for germination. The Lessee agrees that all of the clean-up and restoration activities shall be done in a diligent and timely manner and in conformity with the above mentioned Items 7 and 10 (1).

- (3) All pits will be fenced prior to disposal of any waste material and the open side of the reserve pit will be fenced before removing the rig from the location. The fences will be maintained in good condition until Item (1) is started.
- (4) Any oil or condensate in any temporary pit will be removed in a timely manner. Overhead flagging or netting will be installed on any sump pit used to handle well fluids during the producing life of the well.
- (5) Restoration activities shall begin within 90 days after the completion of the well. Once completion activities have begun, they shall be completed within 30 days. All wellhead and surface equipment will be painted to blend with the environment according to BLM recommendations.

11. Other Information

The topography of the general area is mountainous and cut with numerous canyons. The Green River shale is a weather resistant cap which has produced the flat-top nature of the area. The soils in this semi-arid area are of the Green River formation (Middle Eocene) and the Wasatch formation (Lower Eocene) consisting of light brownish-gray clays (OL) to sandy soils (SM-ML) with poorly graded gravels. Out crops of sandstone ledges, conglomerate deposits and shale are common in this area. The topsoils in the area range from sandy clay (SM-ML) to clayey (OL) soil.

Vegetation in the area consists of fir trees, aspen and mature spruce trees with grasses and low ground cover in the clearings. On the lower elevations, the vegetation consists of juniper and pinon pine forests as the primary flora with areas of sagebrush, rabbit brush, some grasses and cacti. Removal of the trees and brush in the area will be required on the proposed access route and in the pad area, but will be kept to a minimum and conform to BLM regulations.

Fauna of the area consists of a migrating mule deer population, coyotes, bear, rodents, birds, and fauna connected with a high altitude environment. Access to the well is across Federal leases. Surface administration lies with the Bureau of Land Management.

The majority of the washes and streams in the area are of a non-perennial nature flowing during the early spring runoff or during extremely heavy rainstorms, which are extremely rare. The normal annual rainfall in the area is only 8". Live water streams within 5 miles of the well site are Willow Creek and Main Canyon.

There are no occupied dwellings and ranch facilities in the general area. There are no visible archaeological, historical and cultural sites within reasonable proximity of the proposed location site. However, the location itself has been cleared of cultural resources by the firm of Gordon & Kranzush, and the Cultural Resource completion report has been sent to the BLM.

12. Lessee's or Operator's Representative

Stacy Stewart, Field Services Adm.
Coseka Resources (U.S.A) Ltd.
P.O. Box 399
Grand Junction, Colorado 81502

Gary Roberts, Field Services Adm.
Coseka Resources (U.S.A.) Ltd.
P.O. Box 399
Grand Junction, Colorado 81502

(303) 245-6220 (Office)
(303) 241-0557 (Home)

(303) 245-6220 (Office)
(303) 241-5834 (Home)

Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access routes; that I am familiar with the conditions which presently 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 Coseka Resources (U.S.A) Limited and its contractors and sub-contractors in conformity with this plan and terms and conditions under which it is approved.

8-4-83
Date

Stacy Stewart
Stacy Stewart, Field Services Administrator

100 FEET

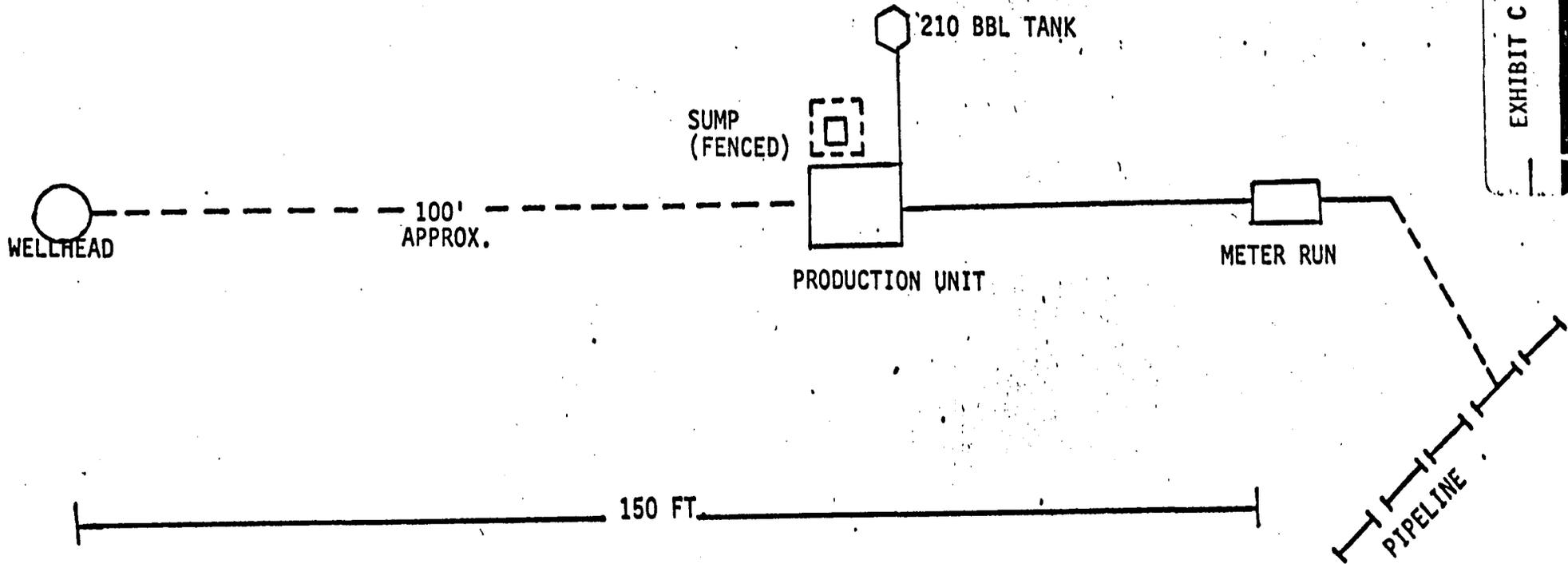
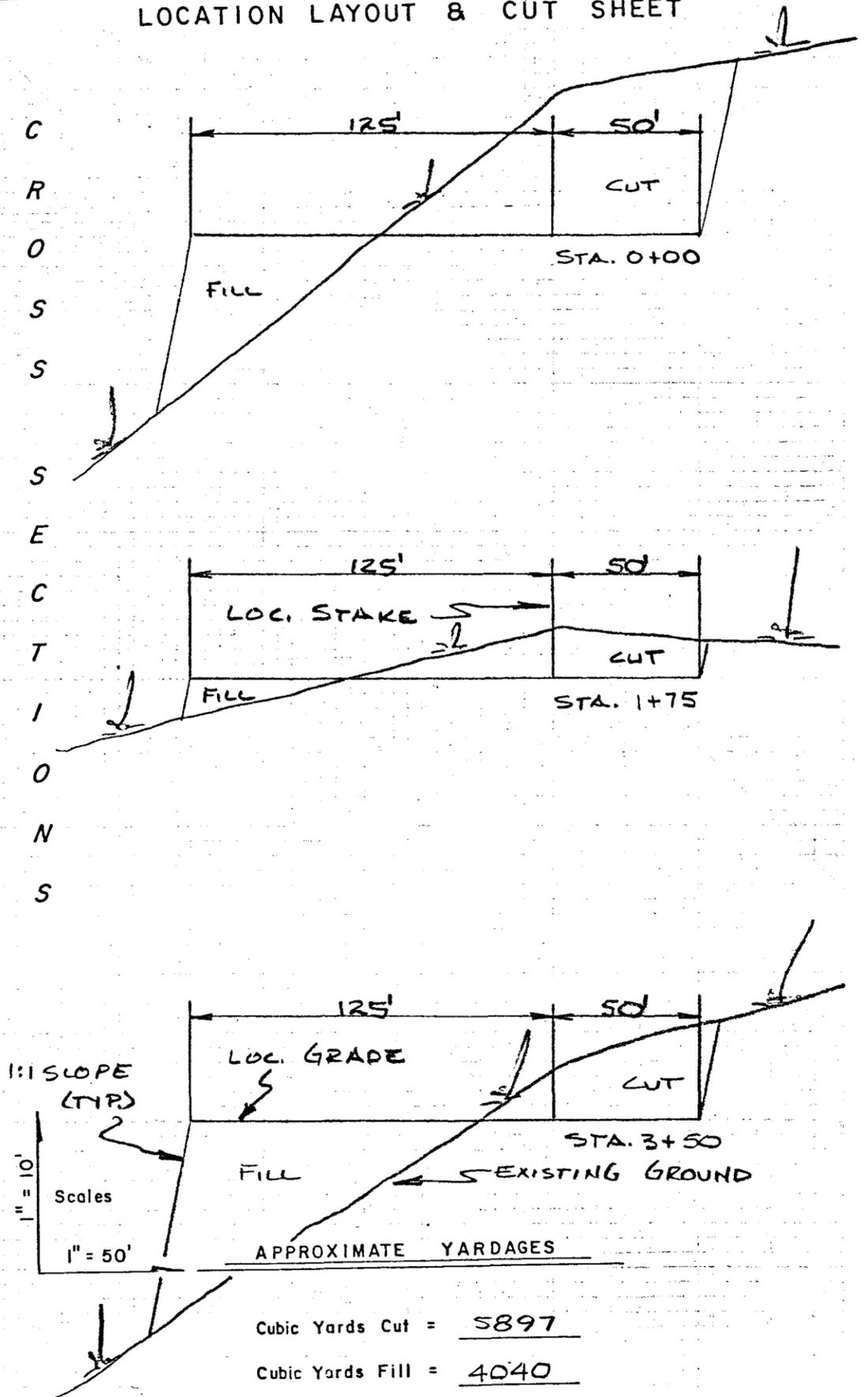
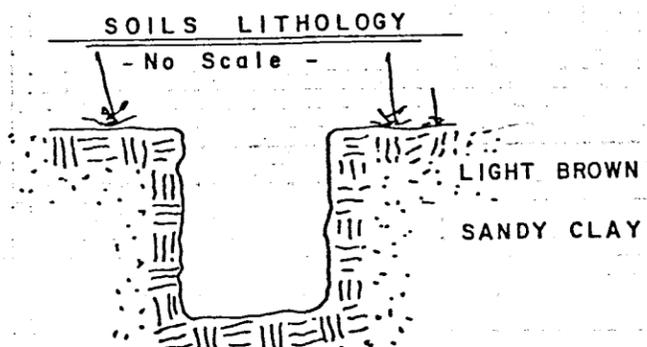
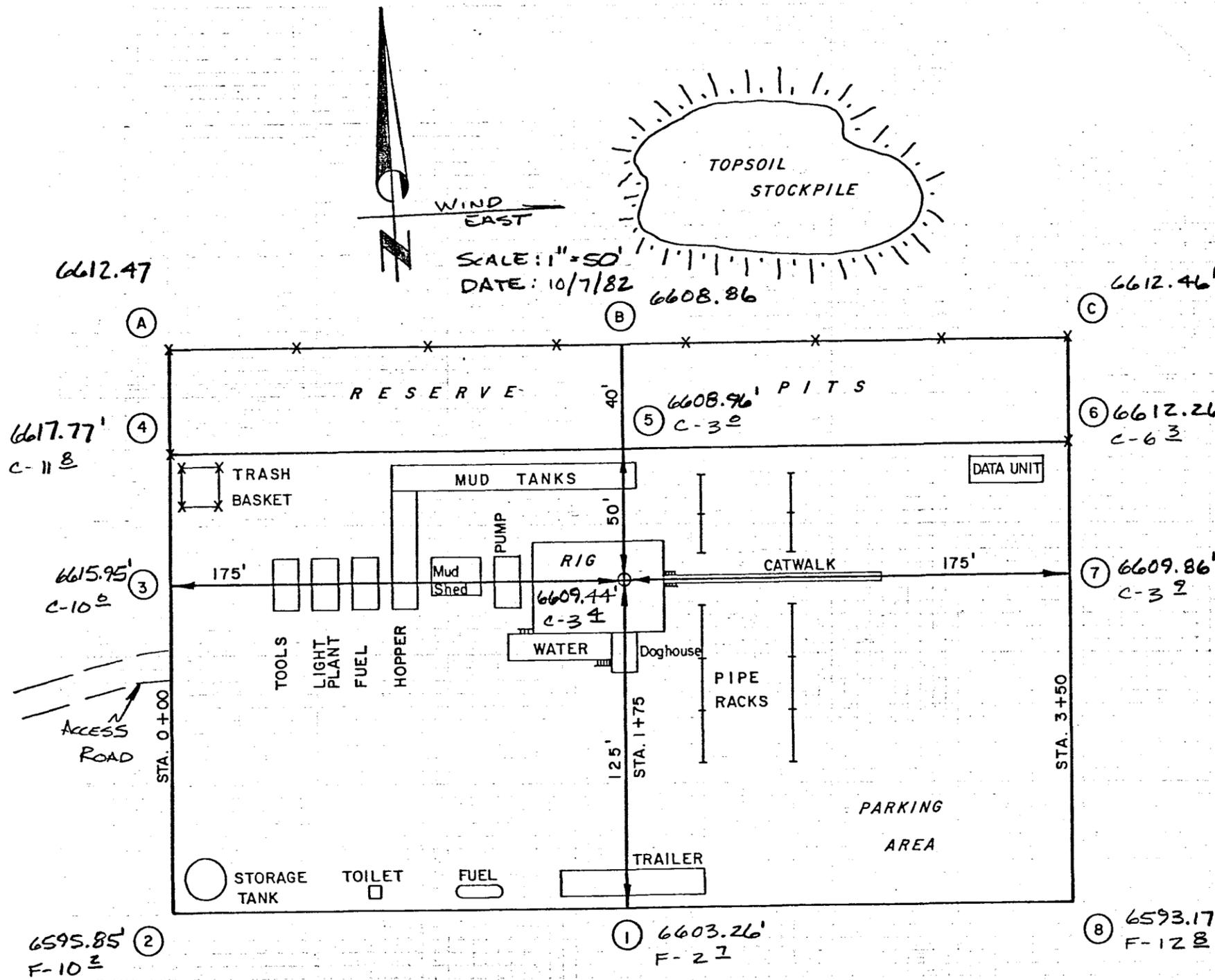


EXHIBIT C 16-13-14-21

PRODUCTION LAYOUT

16-13-14-21

LOCATION LAYOUT & CUT SHEET

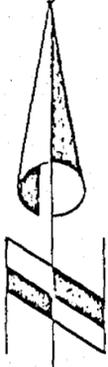


COSEKA RESOURCES U.S.A. LTD.

16-13-14-21

PROPOSED LOCATION

TOPO. MAP "B"



SCALE - 1" = 2000'

ROAD CLASSIFICATION

Light-duty ————— Unimproved dirt - - - - -



UTAH
QUADRANGLE LOCATION

PROPOSED LOCATION

16-13-14-21

CULVERT REQUIRED

PROPOSED ACCESS ROAD - 3.8 MILES

CULVERT REQUIRED

EXISTING FENCE

TIAS
TISS

R
21
E

R
22
E

WINTER RIDGE ROAD - 5.7 MILES

SEEP RIDGE ROAD - 18.7 MILES

OURAY, UT. - 77.7 MILES

VERNAL, UT. - 108.7 MILES

COSEKA RESOURCES U.S.A. LTD.

#16-13-14-21

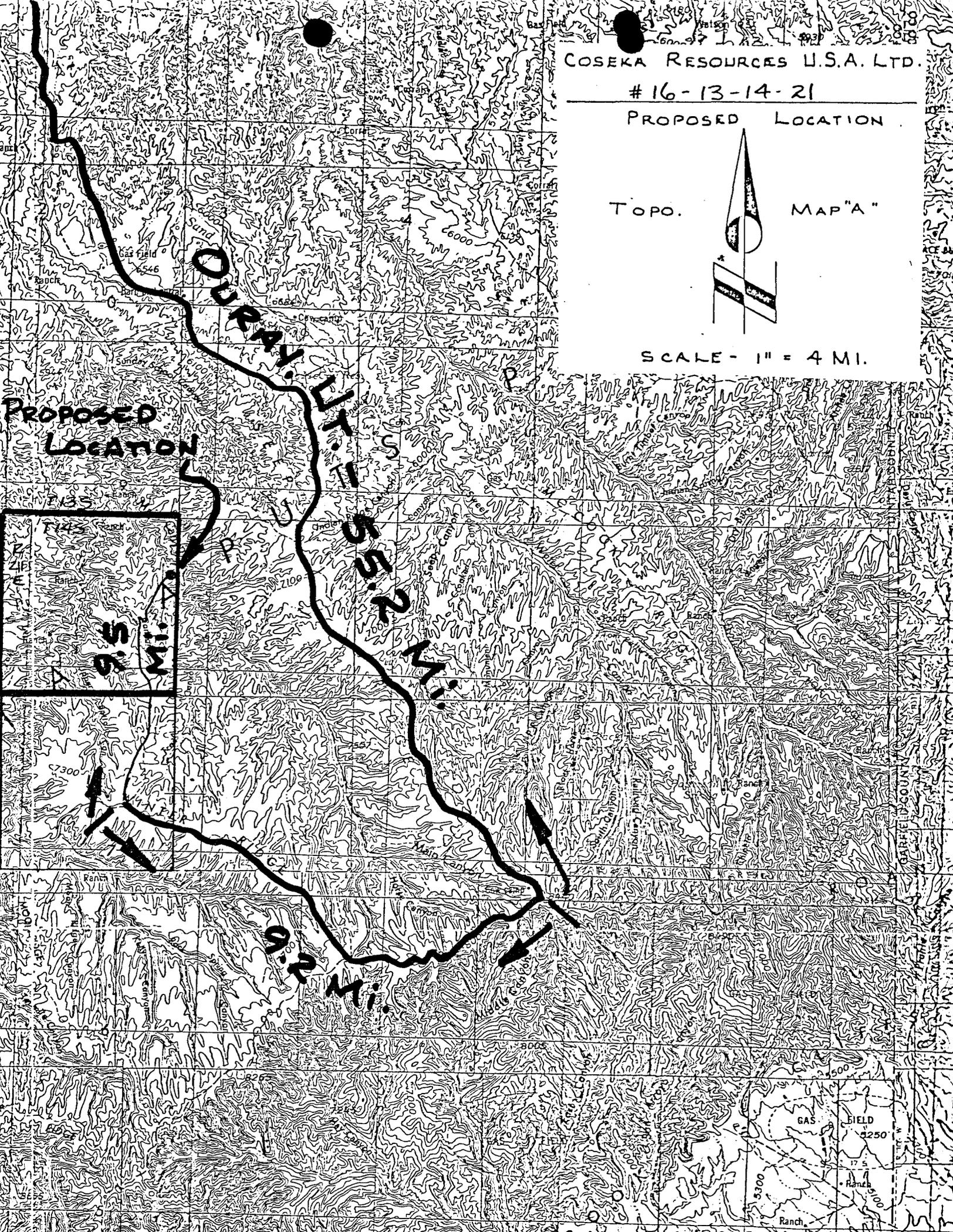
PROPOSED LOCATION

TOPO.

MAP "A"



SCALE - 1" = 4 MI.



PROPOSED
LOCATION

9.5 Mi.

9.5 Mi.

9.5 Mi.

PROPOSED
LOCATION

9.5
Mi.

9.5
Mi.

GAS FIELD

Ranch

Ranch

R 21 E

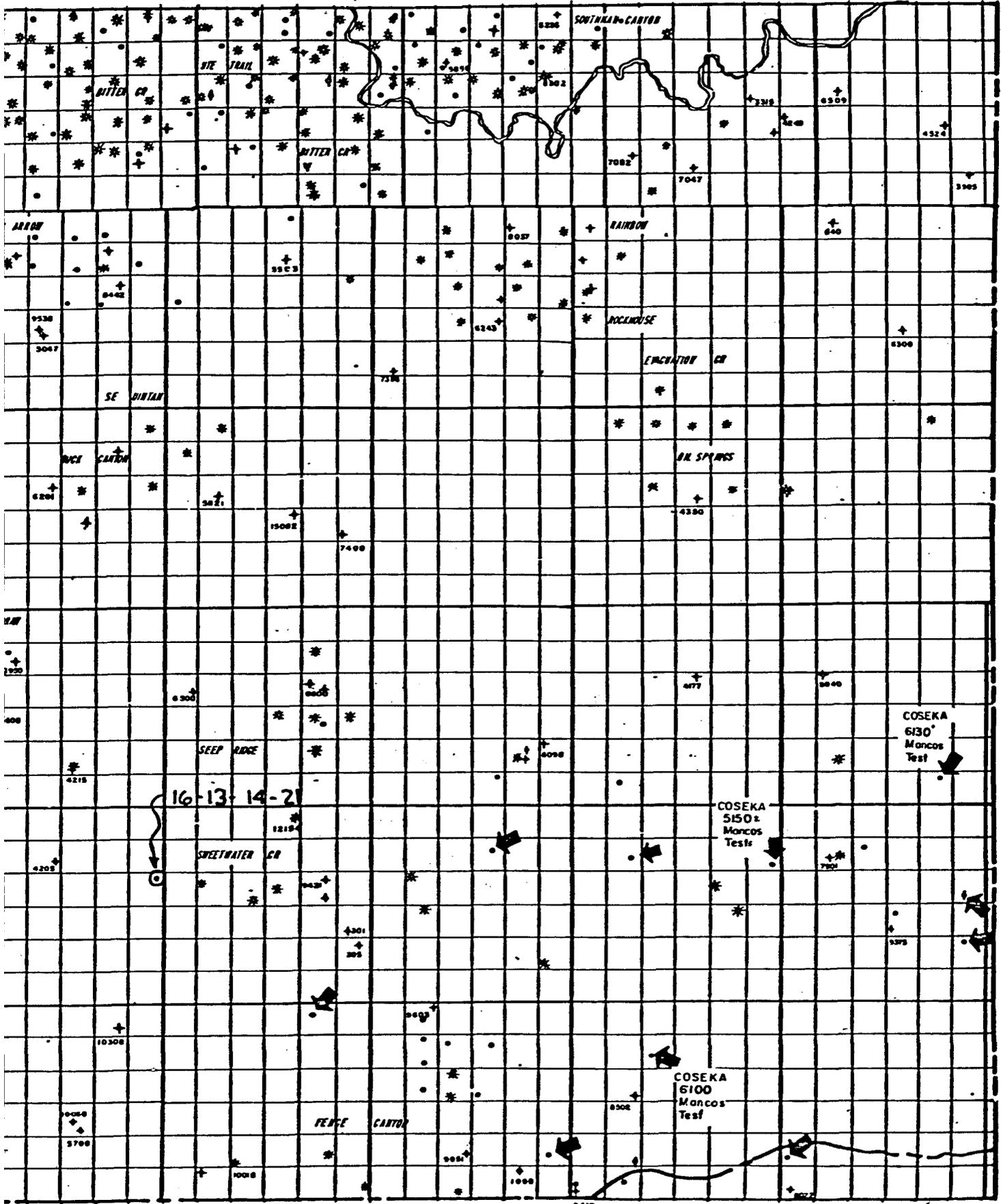
R 22 E

R 23 E

R 24 E

R 25 E

SEE PAGE 12



T 10 S

T 11 S

T 12 S

T 13 S

T 14 S

CHANCELLOR Mancos Tests

T 15 S

R 21 E

SEE PAGE 22

R 22 E

R 23 E

R 24 E

R 25 E

MAP "C" 16-13-14-21

(21)

UTAH

CONFIDENTIAL

OPERATOR Crosby Resources (U.S.A.) Limited DATE 9/7/83
WELL NAME Pine Spring Fed 16-13-14-21
SEC WENE 13 T 145 R 21E COUNTY Wentz

43-047-36378
API NUMBER

Fed
TYPE OF LEASE

POSTING CHECK OFF:

- | | | |
|--------------------------------|------------------------------|-----------------------------|
| <input type="checkbox"/> INDEX | <input type="checkbox"/> MAP | <input type="checkbox"/> HL |
| <input type="checkbox"/> NID | <input type="checkbox"/> | <input type="checkbox"/> PI |

PROCESSING COMMENTS:

Unit Well - Will send designation of agent & water right approval

CHIEF PETROLEUM ENGINEER REVIEW:

9/8/83 ✓ Unit

APPROVAL LETTER:

- SPACING: A-3 Pine Spring c-3-a CAUSE NO. & DATE
 c-3-b c-3-c

SPECIAL LANGUAGE:

Water

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER _____

UNIT Pine Springs

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

Called Stacy Stewart -
w/ send Resignation of
Agost + water approval.

9/7/83

as.

September 8, 1983

Coseka Resources (USA) Limited
P. O. Box 399
Grand Junction, Colorado 81502

RE: Well No. Pine Spring Federal 16-13-14-21
NENE Sec. 13, T.14S, R21E
674' FEL, 456' FNL
Uintah County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure. Prior to spudding, a copy of the Utah Division of Water Rights (Phone No. 881-533-6071) approval for use or purchase of drilling water must be submitted to this office, otherwise this approval is void.

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

RONALD J. FIRTH - Chief Petroleum Engineer
Office: 533-5771
Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-047-31378.

Sincerely,


R. J. Firth
Chief Petroleum Engineer

RJF/as
cc: Branch of Fluid Minerals
Encl.

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

2. NAME OF OPERATOR
 Coseka Resources (U.S.A.) Limited

3. ADDRESS OF OPERATOR
 P.O. Box 399, Grand Junction, Colorado 81502

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 674' FEL, 456' FNL Section ¹³14, T14S, R21E, S.L.B. & M.
 At proposed prod. zone
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 77.7 miles south of Ouray, Utah

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

16. NO. OF ACRES IN LEASE
 1,200

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.

19. PROPOSED DEPTH
 2,872'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6,609' Ungr.

22. APPROX. DATE WORK WILL START*
 September 25, 1983

5. LEASE DESIGNATION AND SERIAL NO.
 U-10198
 RECEIVED
 AUG 8 1983

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
 Pine Spring LAKE CITY, UTAH

8. FARM OR LEASE NAME
 Federal

9. WELL NO.
 16-13-14-21

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Section 13, T14S, R21E

12. COUNTY OR PARISH
 Uintah

13. STATE
 Utah

23. 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#	500'	To surface.
6 1/4"	4 1/2"	10.5#	T.D.	To surface casing.

Attachments:

- Exhibit "A" - Ten Point Compliance Program
- Exhibit "B" - B.O.P. Schematic
- Exhibit "C" - Proposed Production Layout
- 13 Point Surface Use Plan and Maps
- Certified Survey Plat

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OCT 6 1983

DIVISION OF
OIL, GAS & MINING

conf

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 Stacy Stinson TITLE Field Services Admin. DATE 8-3-83

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY Donald C. Alford ASSOC. DISTRICT MANAGER DATE 10-05-83
 TITLE Assoc. District Manager

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

*Oil, Gas & Mining
Branch of U.S.G.S. (U-922)
UT 030-37M-059*

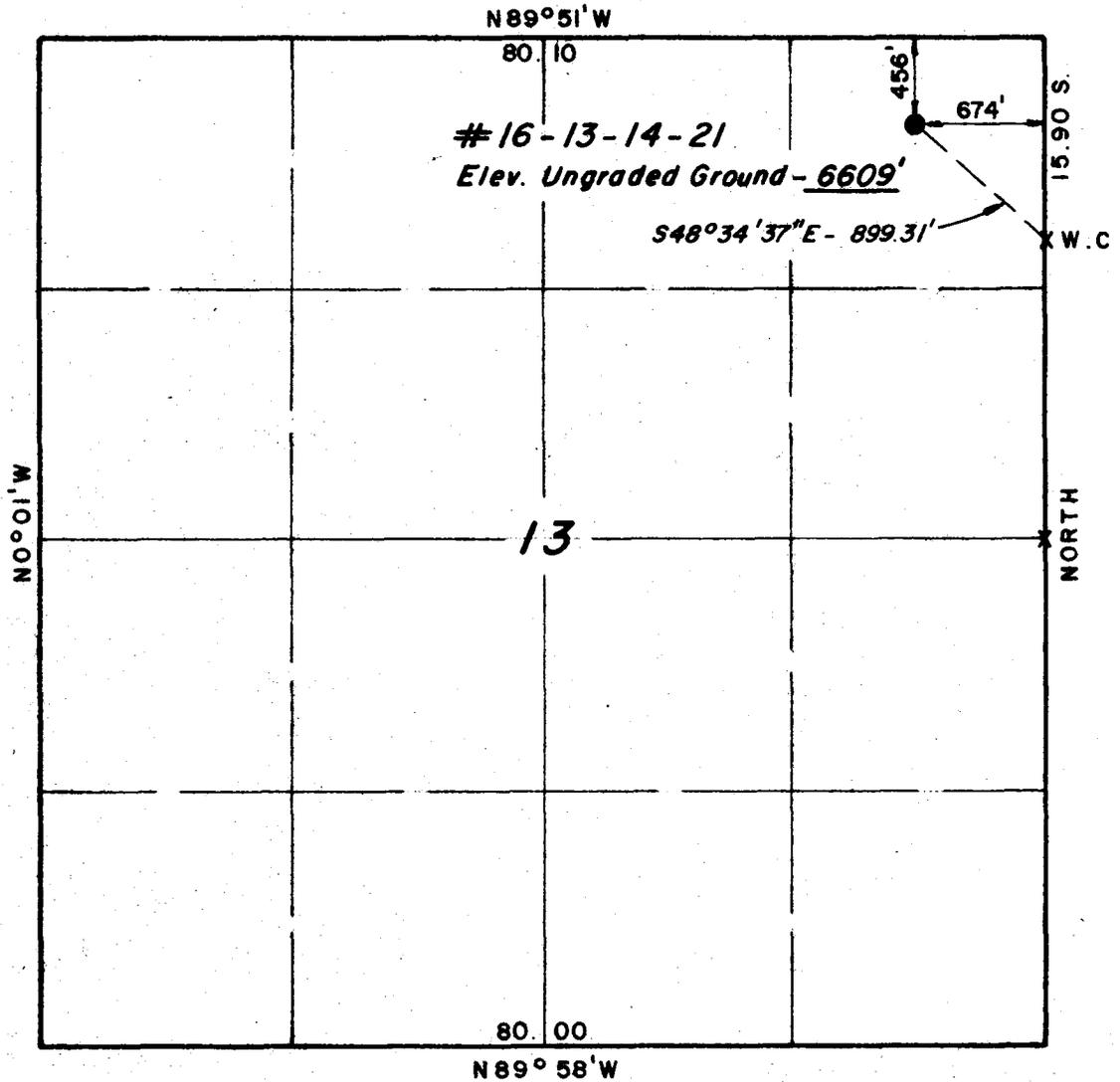
FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

T 14 S , R 21 E , S.L.B. & M.

PROJECT

COSEKA RESOURCES U.S.A. LTD.

Well location, # 16-13-14-21, located as shown in the NE 1/4 NE 1/4 Section 13, T 14 S, R 21 E, S.L.B. & M. Uintah County, Utah.



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.

[Signature]

REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

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

SCALE	1" = 1000'	DATE	10/7/82
PARTY	RT CM DK BK RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	COSEKA

X = Section Corners Located



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

VERNAL DISTRICT OFFICE

170 South 500 East

Vernal, Utah 84078

IN REPLY
REFER TO:
T & R
U-802

October 4, 1983

Conditions of Approval of Projects

Re: Coseka Resources
Well #16-13-14-21,
Sec. 13, T14S, R21E
Uintah County, Utah

1. Construction and maintenance of roads, rehabilitation of disturbed areas, and construction of pipeline routes shall be in accordance with the surface use standards as set forth in the booklet, "Surface Operating Standards for Oil and Gas Exploration".
2. Travelling off access road rights-of-way will not be allowed. The maximum width of access roads (both existing and planned) will be 30 feet total disturbed area. Roads will be crowned and properly maintained. Turnouts will not be required. Bar ditches will be installed where necessary.
3. Burn pits will not be constructed. There will be no burning or burying of trash or garbage at the well sites. Refuse must be contained in trash cages and hauled to an approved disposal site.
4. A wire mesh or net type of fence, topped with at least one strand of barbed wire, will be used around the reserve pits.
5. The BIM will be contacted at least 24 hours prior to any rehabilitation activities. The operator may be informed of any additional needed seeding requirements.
6. PR Spring may not be used as a water source.
7. Trees on the location and proposed access road will be purchased prior to construction with a wood permit from the Bureau of Land Management, Bookcliffs Resource Area. All stems, stumps and branches over four inches in diameter shall be either removed from Federal Land for resale or private use, or cut into lengths not exceeding four feet and placed in piles along the access road, or chipped.

8. Trees and brush from the road and pad shale be kept separate from any topsoil stockpiles.
9. At well #16-13-14-21, no topsoil stockpile will be required due to lack of quality topsoil. However, upon abandonment, the disturbed area will be recontoured and then ripped to a minimum of twelve inches. The reserve pits will be lined because of their proximity to steep sidehills.
10. An existing fence in Section 26, T14S, R21E will require an adequate cattlegaurd where this access road crosses it.
11. In order to minimize watershed damage, exploration, drilling and other development activity will be allowed only during the period from April 30 to November 1. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically authorized in writing by the District Manager, Vernal District Bureau of Land Management with the concurrence of the Chief of the Branch of Fluid Minerals in the Utah State Office of the Bureau of Land Management and the Resource Area Manager, Bookcliffs Resource Area.
12. Adequate and sufficient electric/radioactive logs will be run to locate and identify anticipated coal beds in the Mesaverde formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the coal resource. Surface casing program may require adjustment for protection of fresh water aquifers.
13. Additional stipulations are attached for production facilities.

ADDITIONAL STIPULATIONS FOR PRODUCTION FACILITIES

Your application for Permit to Drill also included a submittal for production facilities. These production facilities are approved for the lessee and his designated operator under Section 1 of the Oil and Gas Lease with the following conditions:

- (1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Vernal District Office. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.
- (2) 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 must be housed and/or fenced.
- (3) All disturbed areas not required for operations will be rehabilitated.
- (4) All produced liquids must be contained including the dehydrator vent/condensate line effluent. All production pits must be fenced.
- (5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.
- (6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.
- (7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.
- (8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.
- (9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.
- (10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.
- (11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards

for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.

- (12) "Sundry Notice and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 43 CFR 3164 (30 CFR 221.58). Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, measurement facilities, etc., will require the filing of a suitable plan and prior approval by the survey.
- (13) All permanent (on location for six (6) months duration or longer) structures constructed or installed, including covering over tank insulation, shall be painted a flat, non-reflective, earth tone color to match the standard environmental colors Rocky Mountain 5 States Interagency Committee or an approved equal. All facilities shall be painted within six (6) months of when the production facilities are put in place. Facilities that are required to comply with O.S.H.A. (Occupational Safety and Health Act) standards are excluded.



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

April 11, 1985

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

*Will be rescinding
per M*

Gentlemen:

Should be U-10198

Re: Well No. Pine Springs Fed. 16-13-14-21 ✓ Sec. 13, T. 14S., R. 21E.
Uintah County, Utah - Lease No. U-10199
Operator of Record: Coseka Resources (USA) Ltd.

The above referenced well in your district was given federal approval to drill August 31, 1983. This office has not received notification of any activity on this location.

Please let me know what action, if any, the Bureau of Land Management is taking on this well.

Thank you for your help in keeping our records up to date.

Sincerely,

Pam Kenna

Pam Kenna
Well Records Specialist

Enclosure

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

0170S/33

**Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078**

3100
O&G

April 16, 1985

Coseka Resources (U.S.A.) Limited
222 Professional Plaza
244 N. 7th Street, Suite 201-B
Grand Junction, CO 81501

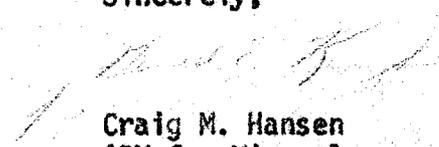
RE: Rescind Application for Permit to Drill
Well No. 16-13-14-21
Section 13, T14S, R21E
Uintah County, Utah
Lease No. U-10198

Gentlemen:

The Application for Permit to Drill the referenced well was approved on October 5, 1983. Since that date, no known activity has transpired at the approved location. Under current District policy, Applications for Permit to Drill are effective for a period of one year. In view of the foregoing, this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location at a future date, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,


Craig M. Hansen
ADM for Minerals

bcc: State Div. O G & M
well file



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

April 26, 1985

Coseka Resources (USA) Limited
222 Professional Plaza
244 North 7th Street, Suite 201-B
Grand Junction, Colorado 81501

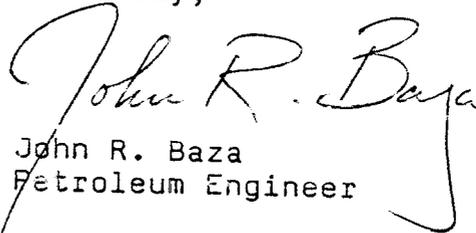
Gentlemen:

Re: Well No. Pine Springs Federal 16-13-14-21 - Sec. 13,
T. 14S., R. 21E., Uintah County, Utah - API #43-047-31378

In concert with action taken by the Bureau of Land Management, April 16, 1985, approval to drill the above referenced well is hereby rescinded.

A new "Application for Permit to Drill" must be filed with this office, for approval, prior to future drilling of the subject location.

Sincerely,


John R. Baza
Petroleum Engineer

clj

cc: Dianne R. Nielson
Ronald J. Firth
File

0170S/77