

UTAH OIL AND GAS CONSERVATION COMMISSION

2

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

DATE FILED **8-15-83**

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

DRILLING APPROVED: **8-16-83** **GAS**

SPUDED IN: \_\_\_\_\_

COMPLETED: \_\_\_\_\_ PUT TO PRODUCING: \_\_\_\_\_

INITIAL PRODUCTION: \_\_\_\_\_

GRAVITY A.P.I. \_\_\_\_\_

GOR. \_\_\_\_\_

PRODUCING ZONES: \_\_\_\_\_

TOTAL DEPTH: \_\_\_\_\_

WELL ELEVATION: \_\_\_\_\_

DATE ABANDONED: *10-17-84 LA Application rescinded*

FIELD: *WILDCAT 3/86 Pine Springs*

UNIT: **PINE SPRING**

COUNTY: **UINTAH**

WELL NO. **FEDERAL # 7-20-14-22** **API # 43-047-31370**

LOCATION **2475' FSL** FT. FROM (N) (S) LINE. **1895' FEL** FT. FROM (E) (W) LINE. **NW SE** 1/4 - 1/4 SEC. **20**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
14S	22E	20	COSEKA RESOURCES LTD.				



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Water Rights

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dee C. Hansen, State Engineer

23 East Main Street • P.O. Box 879 • Vernal, UT 84073 • 801-789-3714

June 8, 1983

Mr. Burt DeLambert  
P. O. Box 607  
Vernal, Utah 84078

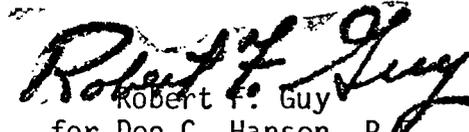
RE: Temporary Change 83-49-1

Dear Applicant:

The above numbered Temporary Change Application has been approved, subject to prior rights.

A copy is herewith returned to you for your records and future reference.

Very truly yours,

  
Robert F. Guy  
for Dee C. Hansen, P.E.  
State Engineer

DCH.RFG.1n

Enclosure

APPLICATION NO. 83-49-1  
DISTRIBUTION SYSTEM

# Application For Temporary Change of Point of Diversion, Place or Purpose of Use STATE OF UTAH

(To Be Filed in Duplicate)

Vernal, Utah Place June 6 Date 19 83

For the purpose of obtaining permission to temporarily change the point of diversion, place or purpose of use (Strike out written matter not needed) of water, the right to the use of which was acquired by Ap. 8814 (49-122) Cert. 1489 (Give No. of application, title and date of Decree and Award No.) to that hereinafter described, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

- 1. The owner of right or application is Burt DeLambert
- 2. The name of the person making this application is Bert DeLambert
- 3. The post office address of the applicant is P. O. Box 607, Vernal, Utah 84078

### PAST USE OF WATER

- 4. The flow of water which has been used in second feet is 0.46
- 5. The quantity of water which has been used in acre feet is
- 6. The water has been used each year from March 1 (Month) to Oct. 31 (Day) incl.
- 7. The water has been stored each year from (Month) (Day) (Month) (Day) incl.
- 8. The direct source of supply is A Spr. Branch in Main Can in Uintah County.
- 9. The water has been diverted into a channel ditch canal at a point located N23°12' W. 20733' from the SE Cor. of Sec. 31, T15S, R23E, SLB&M
- 10. The water involved has been used for the following purpose: Irrigation: NE 1/4 NW 1/4 Sec. 13, E 1/2, SW 1/4 Sec. 12, T15S, R22E, SLB&M

Total 70.0 acres.

NOTE: If for irrigation, give legal subdivisions of land and total acreage which has been irrigated. If for other purposes, give place and purpose of use.

### THE FOLLOWING TEMPORARY CHANGES ARE PROPOSED

- 11. The flow of water to be changed in cubic feet per second is 0.31
- 12. The quantity of water to be changed in acre-feet is
- 13. The water will be diverted into the Vacuum pump trucks ditch canal at a point located North 1600 ft. West 1650 ft. from SW Cor. Sec. 12, T15S, R22E, SLB&M
- 14. The change will be made from June 6 19 83 to June 6 19 84 (Period must not exceed one year)
- 15. The reasons for the change are Water to be used for Oil Drilling purposes
- 16. The water involved herein has heretofore been temporarily changed \_\_\_\_\_ years prior to this application. (List years change has been made)
- 17. The water involved is to be used for the following purpose: Water used for oil drilling purposes in Pine Springs &/or Wolf Point Drilling Units

Total \_\_\_\_\_ acres.

NOTE: If for irrigation, give legal subdivisions of land to be irrigated. If for other purposes, give place and purpose of proposed use.

### EXPLANATORY

A filing fee in the sum of \$5.00 is submitted herewith. I agree to pay an additional fee for either investigating or advertising this change, or both, upon the request of the State Engineer.

Burt DeLambert  
Signature of Applicant

RULES AND REGULATIONS

(Read Carefully)

This application blank is to be used only for temporary change of point of diversion, place or nature of use for a definitely fixed period not to exceed one year. If a permanent change is desired, request proper application blanks from the State Engineer.

Application for temporary change must be filed in duplicate, accompanied by a filing fee of \$5.00. Where the water affected is under supervision of a Water Commissioner, appointed by the State Engineer, time will be saved if the Application is filed with the Commissioner, who will promptly investigate the proposed change and forward both copies with filing fee and his report to the State Engineer. Applications filed directly with the State Engineer will be mailed to the Water Commissioner for investigation and report. If there be no Water Commissioner on the source, the Application must be filed with the State Engineer.

When the State Engineer finds that the change will not impair the rights of others he will authorize the change to be made. If he shall find, either by his own investigation or otherwise, that the change sought might impair existing rights he shall give notice to persons whose rights might be affected and shall give them opportunity to be heard before acting upon the Application. Such notice shall be given five days before the hearing either by regular mail or by one publication in a newspaper. Before making an investigation or giving notice the State Engineer will require the applicant to deposit a sum of money sufficient to pay the expenses thereof.

Address all communications to:
State Engineer
State Capitol Building
Salt Lake City, Utah

STATE ENGINEER'S ENDORSEMENTS

(Not to be filled in by applicant)

Change Application No. (River System)

- 1. Application received by Water Commissioner (Name of Commissioner)
Recommendation of Commissioner
2. 4:15 PM June 6, 1983 Application received over counter in State Engineer's Office by MHS
3. Fee for filing application, \$7.50, received by ; Rec. No.
4. Application returned, with letter, to , for correction.
5. Corrected application resubmitted over counter by mail to State Engineer's Office.
6. Fee for investigation requested \$.
7. Fee for investigation \$ , received by : Rec. No.
8. Investigation made by ; Recommendations:
9. Fee for giving notice requested \$.
10. Fee for giving notice \$ , received by : Rec. No.
11. Application approved for advertising by publication mail by
12. Notice published in
13. Notice of pending change application mailed to interested parties by as follows:
14. Change application protested by (Date Received and Name)
15. Hearing set for , at
16. 6/6/83 Application recommended for rejection approval by RFL
17. 6/6/83 Change Application rejected approved and returned to applicant

THIS APPLICATION IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

- 1.
2.
3.

State Engineer

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

(Other instructions on reverse side)  
RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK  SALT  SALT LAKE CITY, UTAH

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

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  
 2,475' FSL, 1,895' FEL Section 20, T14S, R22E, S.L.B. & M.  
 At proposed prod. zone  
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 48.6 miles southeast of Ouray, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 165'+

16. NO. OF ACRES IN LEASE 1,440

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. 2,236'

19. PROPOSED DEPTH 2,236'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6,316' Ungr.

22. APPROX. DATE WORK WILL START\* April 15, 1983

5. LEASE DESIGNATION AND SERIAL NO.  
 U-10199

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
 Pine Spring

8. FARM OR LEASE NAME  
 Federal

9. WELL NO.  
 #7-20-14-22

10. FIELD AND POOL, OR WILDCAT  
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Section 20, T14S-R22E

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
- Certified Survey Plat
- 13 Point Land Use Plan and Maps

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 Admin. DATE 7-28-1983

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY [Signature] for E. W. Guynn, Chief,  
 CONDITIONS OF APPROVAL, IF ANY: TITLE Branch of Fluid Minerals DATE JUL 28 1983

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

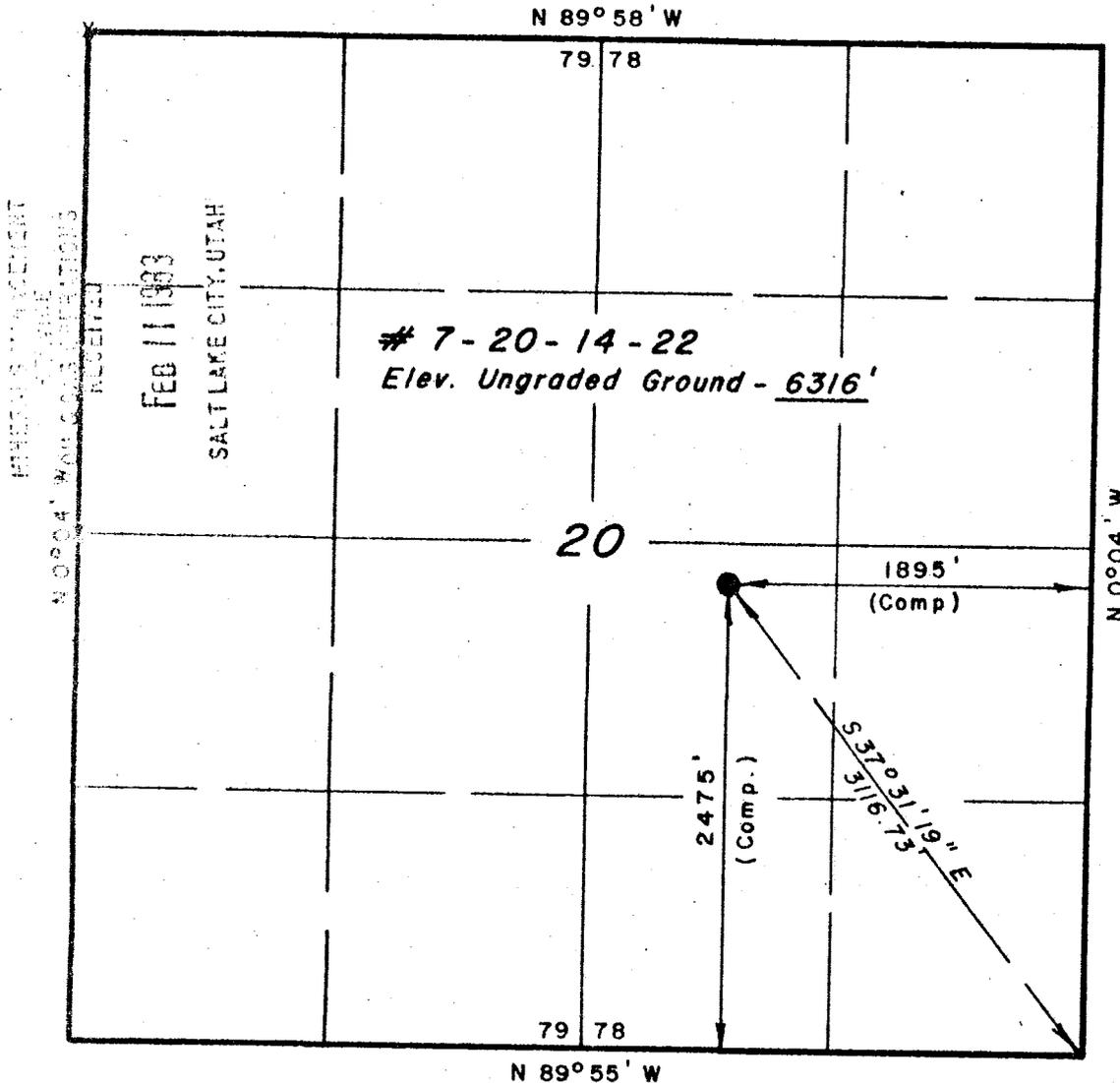
FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

*State O & G*

T14S, R22E, S.L.B.&M.

PROJECT  
COSEKA RESOURCES U.S.A. LTD.

Well location, # 7-20-14-22,  
located as shown in the NW 1/4 SE 1/4,  
Section 20, T14S, R22E, 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

*D. Stewart*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 3154  
STATE OF UTAH

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

SCALE	1" = 1000'	DATE	11/11/82
PARTY	RT, SH, GS, TJ JH	REFERENCES	GLO PLAT
WEATHER	Cloudy / Cold	FILE	COSEKA

... Corners Located

Coseka Resources (U.S.A.) Limited  
Well No. 7-20-14-22  
Section 20, T. 14 S., R. 22 E.  
Uintah County, Utah  
Pine Springs Unit  
Lease U-10199

#### Supplemental Stipulations

- 1) Traveling off access road right-of-ways 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. Turn-outs will not be required. Bar ditches will be installed where necessary.
- 2) Burn pits will not be constructed. There will be no burning or burying of trash or garbage at the well site. Refuse must be contained in trash cages and hauled to an approved disposal site.
- 3) A wire mesh or net type of fence, topped with at least one strand of barbed wire, will be used around the reserve pits.
- 4) The BLM will be contacted at least 24 hours prior to any rehabilitation activities. The operator may be informed of any additional needed seeding requirements.
- 5) PR Spring may not be used as a water source.
- 6) Live trees that must be removed may be pushed over and stockpiled separately from the topsoil. Large pieces of dead wood should also be stockpiled from the topsoil.
- 7) Trees and brush will be pushed off the road and pad prior to any mineral soil being bladed.
- 8) The reserve pit will be built adjacent to and follow the rock ledge natural contour. Also at said location, the top eight inches of topsoil will be stockpiled in two piles. Those piles will be located between reference corners No. 1 and No. 8 and No. 6 and No. 7.
- 9) All permanent (onsite for six (6) months duration or longer) structures constructed or installed, including the pumpjack and covering over tank insulation, shall be painted a flat, non-reflective, earth tone color to match Tnemec 23-08351 Mesa Brown Enduratone 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.
- 10) Choice of color stipulation may vary depending on location.

- 11) Adequate and sufficient electric/radioactive logs will be run to locate and identify the prime oil shale horizons in the Green River formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the oil shale resource. Surface casing program may require adjustment for protection of fresh water aquifers. (See attached tentative casing and cementing program for the Uinta Basin.)
  
- 12) Adequate and sufficient electric/radioactive logs will be run to locate and identify anticipated coal beds in the Mesaverde. Please also provide two copies of drilling logs. 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.



# United States Department of the Interior

GEOLOGICAL SURVEY  
Conservation Division  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

February 2, 1981

General Outline for the Protection and Isolation of Ground Water and Oil Shale in the Uinta Basin.

The oil shale occurs with varying thicknesses in most parts of the Uinta Basin and at varying depths. Ground water also occurs at varied depths above and below the Oil Shale. These ground waters have varying degrees of salinity. Nonetheless, drilling for hydrocarbon in the Uinta Basin should provide for the protection of the oil shale and the ground water if either is present.

The protection of the oil shale and the ground water can effectively be carried on through the design of an adequate casing and cementing program for each well drilled in the area.

In the Uinta Basin, water occurs mainly in the Uinta and the Green River formations. As drilling for hydrocarbon gets deeper into the crust of the earth, more ground water might be encountered and will be protected as it is encountered.

This notice's purpose is to attempt to lay the groundwork for a casing program and cementing program that will protect the oil shale and the ground water if present.

These programs are to be considered as guidelines. The specificity of casing depth, amount of cement and the depth of staging collars will be considered on an individual basis after a careful study of the logs of each individual well. Cementing from the bottom up is an economical solution if carefully conducted.

The casing and cementing program presented here as an example, will assume that fresh water was encountered in the upper parts of the Green River, that the oil shale occurs in the middle of the Green River (1000 foot section) and that some ground water is encountered in the lower parts of the Green River.

In this case, three areas will have to be cemented to assure the integrity of the ground water and oil shale. These areas are above the upper fresh water, across the oil shale and below the lower water aquifer. Deep aquifers that do not contain useful water are cemented to prevent water zone influence on production.

The following casing and cementing program will be appropriate for this example:

- A. Surface casing is set at approximately 300 feet and cemented to the surface.

- B. The next casing string will be set at approximately 300 feet below the lowest aquifer. Cementing will be done in three stages, using two stage collars and cement baskets or equivalent as described below and on attached sketches:
1. Cement first stage through the casing shoe to fill annulus back to base of lower aquifer.
  2. Place 1st stage collar (with cement basket immediately below) at a selected point at the base of the oil shale. Cement will have to reach top of oil shale.
  3. Place 2nd stage collar (with cement basket immediately below) 50 feet above the top of the Bird's Nest aquifer and cement to at least 300 feet above the stage collar.
- C. The above is an example. Reasonable equivalents that accomplish these same protective measures, (such as cementing the water zones instead of isolating them), depending on the individual cases will be considered for approval.
- D. When the above mentioned well is to be abandoned, inner-casing plugs will have to be placed at the same depth as the above mentioned annulus cement jobs.

The use of cement bond logs will verify the authenticity of the cement job performed.

- E. The Operator of such well should notify U.S.G.S. 48 hours prior to commencement of casing and cementing activity, so a technician could be dispatched to witness the operations to verify compliance with casing and cementing program.

Attached Sketches:

1. Schematic of the required casing and cementing program.
2. Cross section of the Uinta Basin.
3. Schematic of the general ground water protection program.

E. W. Guynn  
District Oil and Gas Supervisor

AMR/kr

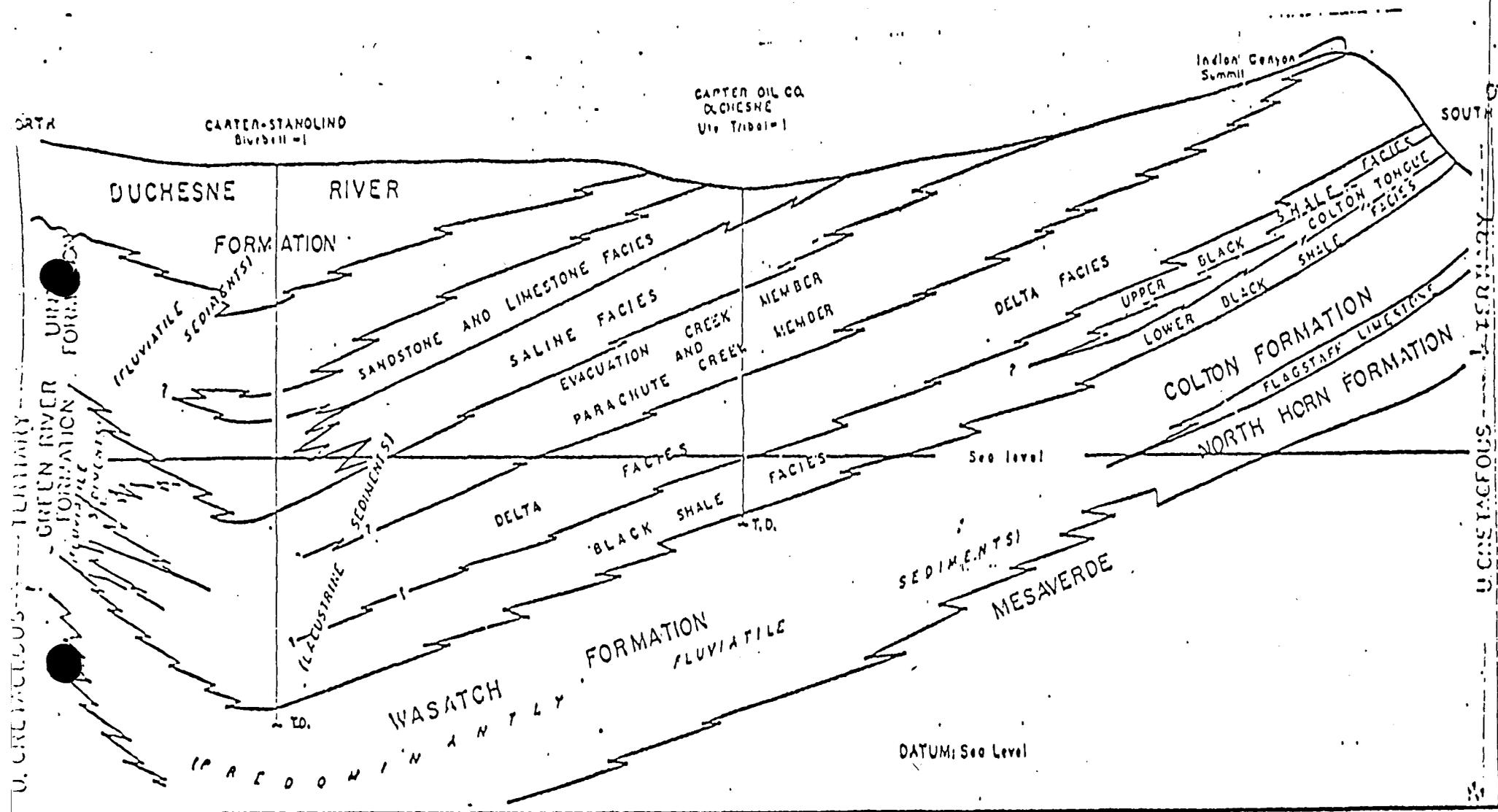


Figure 5.- View east of cross section of Uinta Basin showing stratigraphy and intertonguing of Tertiary rocks. Ute Tribal-1 (in section) is located about 8 miles southeast of the application area.

# PARTIAL CASING & CEMENTING PROGRAM FOR WELLS IN NATURAL BUTTES FIELD. WINTAH COUNTY, UTAH

NO SCALE

Uinta formation

BIRDS NEST AQUIFER  
HORSEBENCH SANDSTONE

GREEN RIVER

OIL SHALE ZONE

DOUGLAS CREEK  
AQUIFER

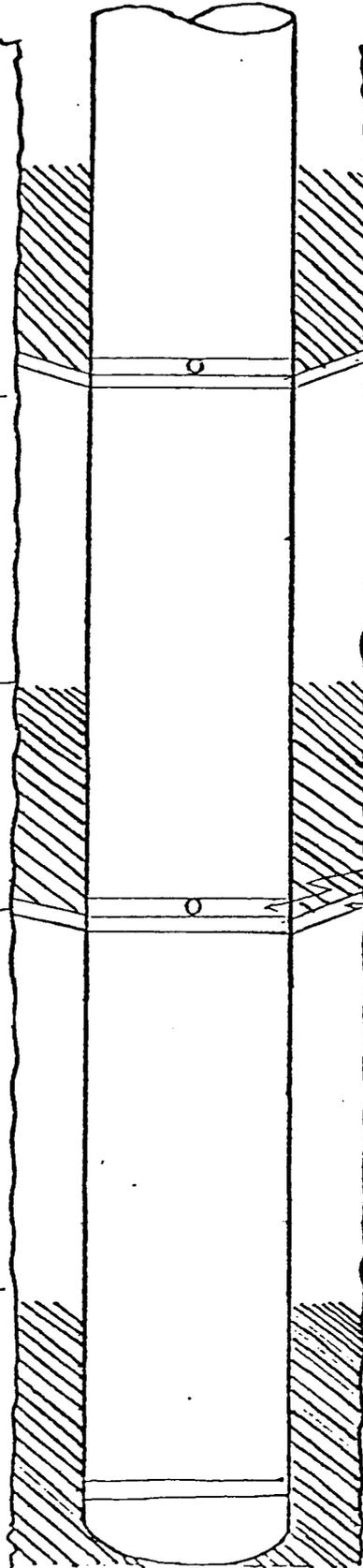
LIMESTONE & SANDSTONE

CEMENT BASKET IS PLACED  
50' ABOVE TOP AQUIFER  
CEMENT TO RISE AT  
LEAST 300' IN ANNULUS

STAGE COLLAR  
CEMENT BASKET

CEMENT BASKET IS SET AT  
CONSOLIDATED SECTION AT THE  
BASE OF THE OIL SHALE ZONE.  
CEMENT TO REACH THE TOP  
OF THE MAHOGANY ZONE

CEMENT WILL REACH BASE  
OF LOWER AQUIFER



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

(Other instructions on reverse side)

10

5. Lease Designation and Serial No.

U-10199

6. If Indian, Allottee or Tribe Name

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

7. Unit Agreement Name

Pine Spring

8. Farm or Lease Name

Federal

9. Well No.

#7-20-14-22

10. Field and Pool, or Wildcat

Wildcat

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 20, T14S, R22E

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

2,475' FSL, 1,895' FEL, Section 20, T14S, R22E, S.L.B. & M.

At proposed prod. zone

Same

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

48.6 miles southeast of Ouray, Utah

12. County or Parrish 13. State

Uintah Utah

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

165' +

16. No. of acres in lease

1,440'

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

2,236'

20. Rotary or cable tools

Rotary

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

6,316' Ungr.

22. Approx. date work will start\*

September 15, 1983

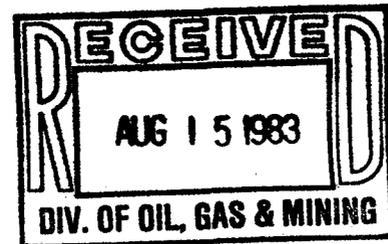
23.

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



B.O.P. Equipment will consist of dual rams and a hydril. All equipment will be Series 900. Good oilfield practices will be used while drilling this well.

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: *Steve Stans* Title: Field Services Admin. Date: 8-9-83

(This space for Federal or State office use)

Permit No. .... Approva... etc

Approved by ..... Title .....

Conditions of approval, if any:

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

DATE: 8-16-83

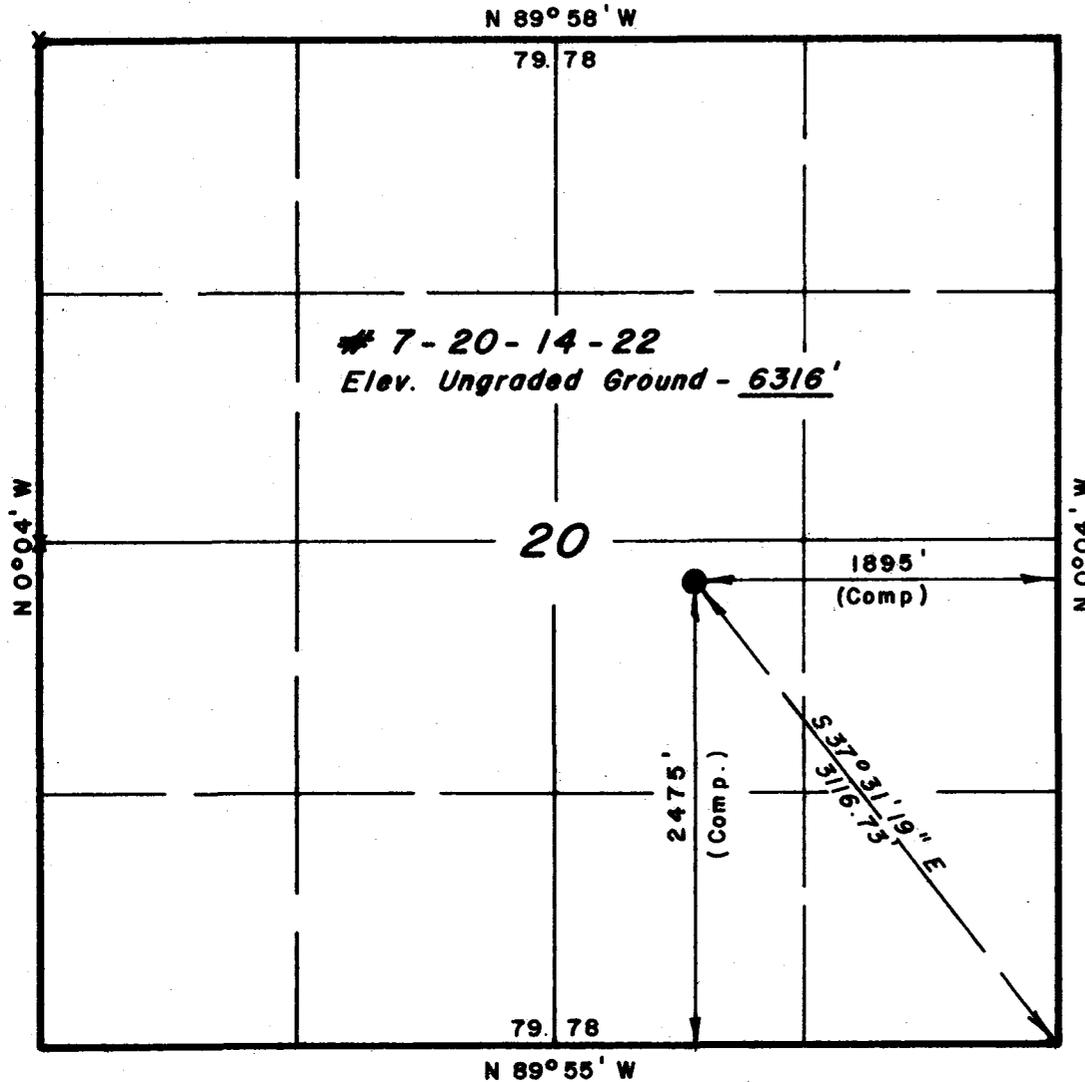
BY: *[Signature]*

\*See Instructions On Reverse Side

T14S, R22E, S.L.B. & M.

PROJECT  
COSEKA RESOURCES U. S. A. LTD.

Well location, # 7-20-14-22,  
located as shown in the NW 1/4 SE 1/4,  
Section 20, T14S, R22E, 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.

*Gene Stewart*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 3154  
STATE OF UTAH

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

SCALE	1" = 1000'	DATE	11/11/82
PARTY	RT, SH, GS, TJ JH	REFERENCES	GLO PLAT
WEATHER	Cloudy / Cold	FILE	COSEKA

X = Section Corners Located

Ten Point Compliance Program  
FEB 11 1983

NTL-6 SALT LAKE CITY, UTAH

Attached to Form 9-331C  
Well #7-20-14-22

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 6,316' are as follows:

Top Wasatch	651'
Top Mesa Verde	2,036'
Upper Dark Canyon Interval	1,674'
Lower Dark Canyon Interval	1,924'
Total Depth	2,236'

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 to the top of the Mancos with air and mist as necessary in order to clean the hole. From the Mancos to Total Depth it is planned to drill the well with air or air mist.
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.

MINERALS MANAGEMENT  
SERVICE  
OIL & GAS OPERATIONS

RECEIVED

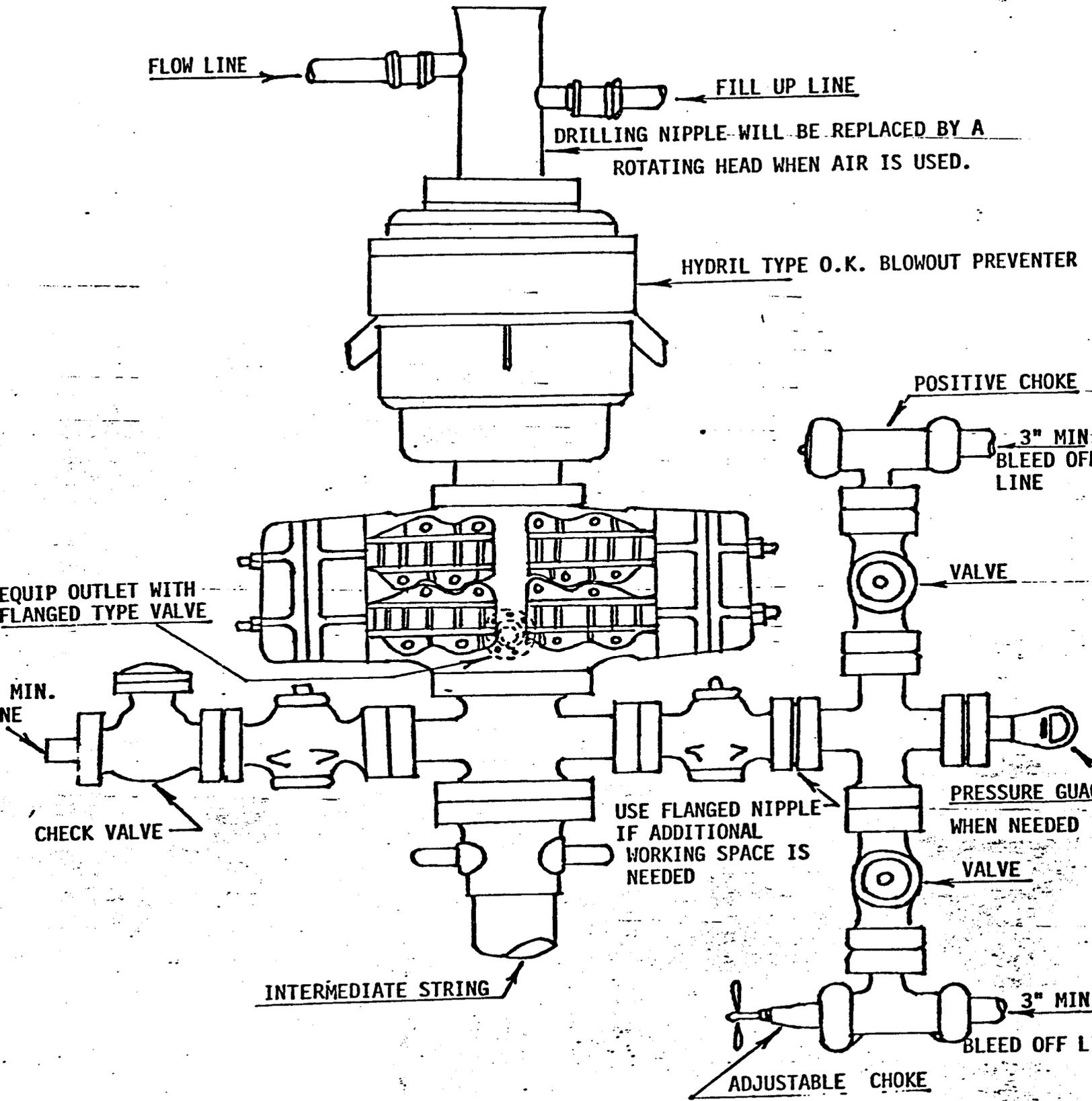
FEB 17 1983

9. It is not anticipated that abnormal pressures or temperatures will be encountered nor that any other abnormal hazards such as H<sub>2</sub>S gas will be encountered in this area.

10. It is anticipated that ~~this well~~ will be commenced approximately April 15, 1983 and that the operations will last three weeks.

SALT LAKE CITY, UTAH

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



**Coseka Resources (U.S.A.) Limited**

**13 Point Surface Use Plan**

**for**

**Well Location**

**#7-20-14-22**

**Located in**

**Section 20, T14S, R22E**

**Uintah County, Utah**

## 1. Existing Roads

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

- 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 NW 1/4 SE 1/4, Section 20, T14S, R22E, S.L.B. & M. See well plat.
- B. The proposed location is approximately 48.6 miles southeast of Ouray, Utah. To reach Coseka Resources Well #7-20-14-22, proceed south from Ouray on the Seep Ridge Road for 41 miles. Turn right into Pine Spring Canyon and continue 7.6 miles to location, which is on the existing road. The Seep Ridge Road is a dirt and gravel surface, all weather road. The BLM road is an 18' improved dirt oilfield road. It is crowned and has been ditched where necessary. Traveling off of these existing access 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. Maintenance will be in accordance with the standards set forth in the brochure Surface Operating Standards for oil and gas exploration. See Topo Map "B" for details of the existing access road.

## 2. Planned Access Roads

No new access roads will be required.

See attached Topographic Map "B".

## 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 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 Endurstone 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 wire sheep 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 Main Canyon in the SE 1/4 SE 1/4 Section 2, T15S, R22E. Coseka Resources has negotiated a water agreement with Bert DeLambert. 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 or pit lining materials are anticipated at this time, but if they are 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 separate from the topsoil. This will be done prior to any mineral soil being bladed.

- 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 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 are planned for this well. A camp will be set in the parking area on location. Sewage will be contained in a pit that is lined with 12 mil plastic. After the camp is moved, sewage will be hauled by truck to a disposal facility in Vernal, Utah. The lining will then be removed and the pit backfilled.

#### 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. Topsoil will be stripped to a depth of 8 inches and stockpiled in two piles. These piles will be located between Corners #1 & #8 and Corners #6 & #7.
- (3) Rig orientation, parking areas and access road.
- (4) The reserve pit will be built adjacent to and follow the rock ledge natural contour. All pits will be unlined unless it is determined by the representatives of the agencies involved that the pad materials are too porous and would not prevent contamination to the surrounding area; then the pits will be lined with a bentonite gel or other materials necessary to make them impermeable.

## 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 and the stockpiled soil redistributed over 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 topsoil spread 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 performed 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 as stated in Item 4(b). This will be done within 6 months of when the production facilities are put in place.

## 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". The only live water stream within 5 miles of the well site is 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, or Grand River Consultants 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.

2-9-83  
Date

Stacy Stewart  
Stacy Stewart, Field Services Administrator

100 FEET



WELLHEAD

100'  
APPROX.

SUMP  
(FENCED)



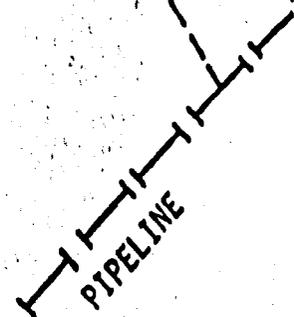
PRODUCTION UNIT



210 BBL TANK



METER RUN



PIPELINE

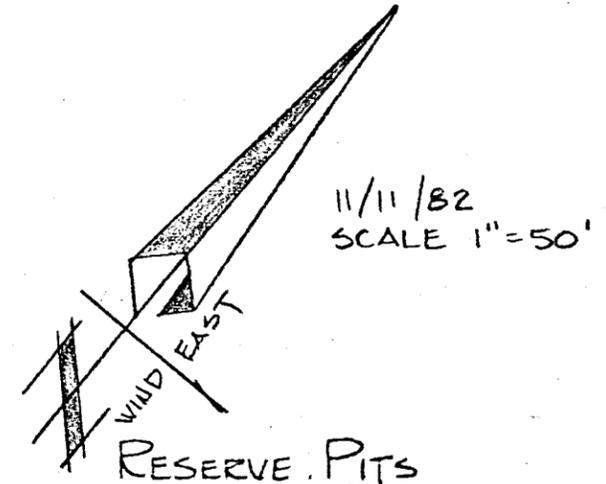
150 FT.

PRODUCTION LAYOUT

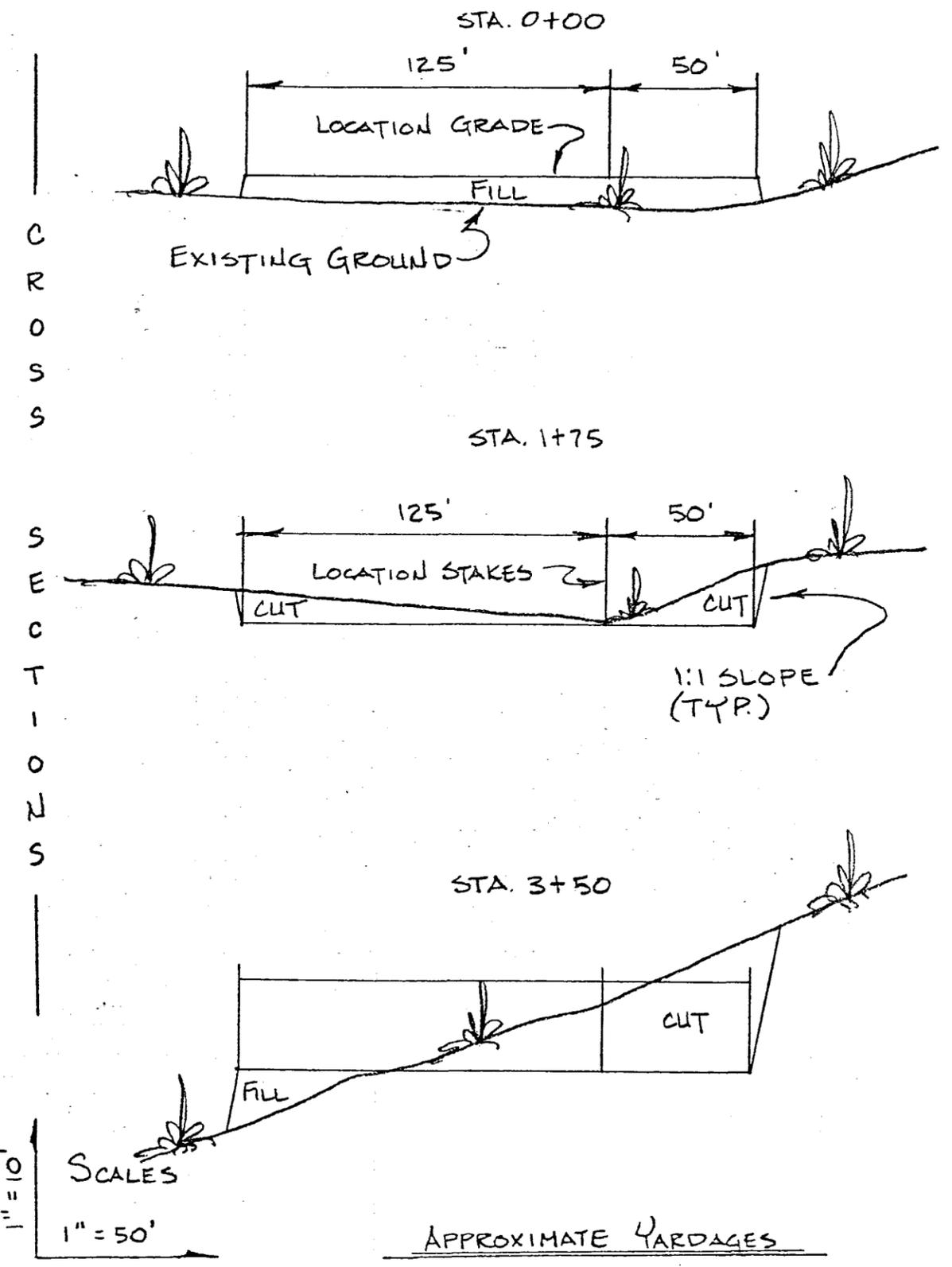
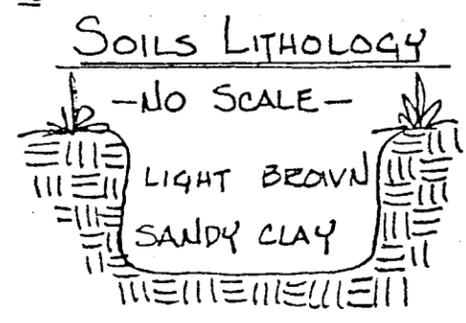
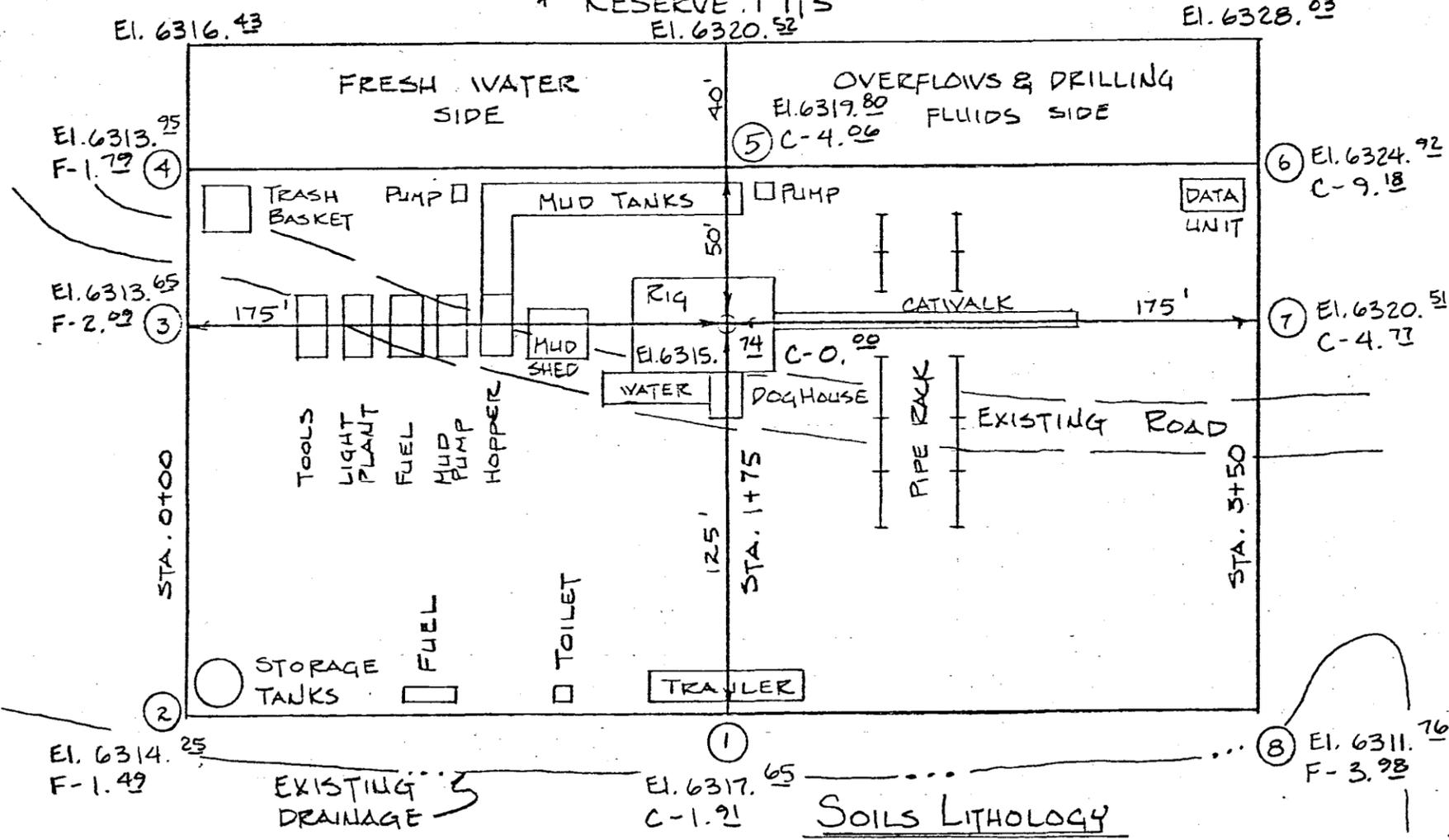
EXHIBIT C 7-20-14-22

# COSEKA RESOURCES U.S.A. LTD.

# 7-20-14-22



RESERVE PITS  
El. 6320.52

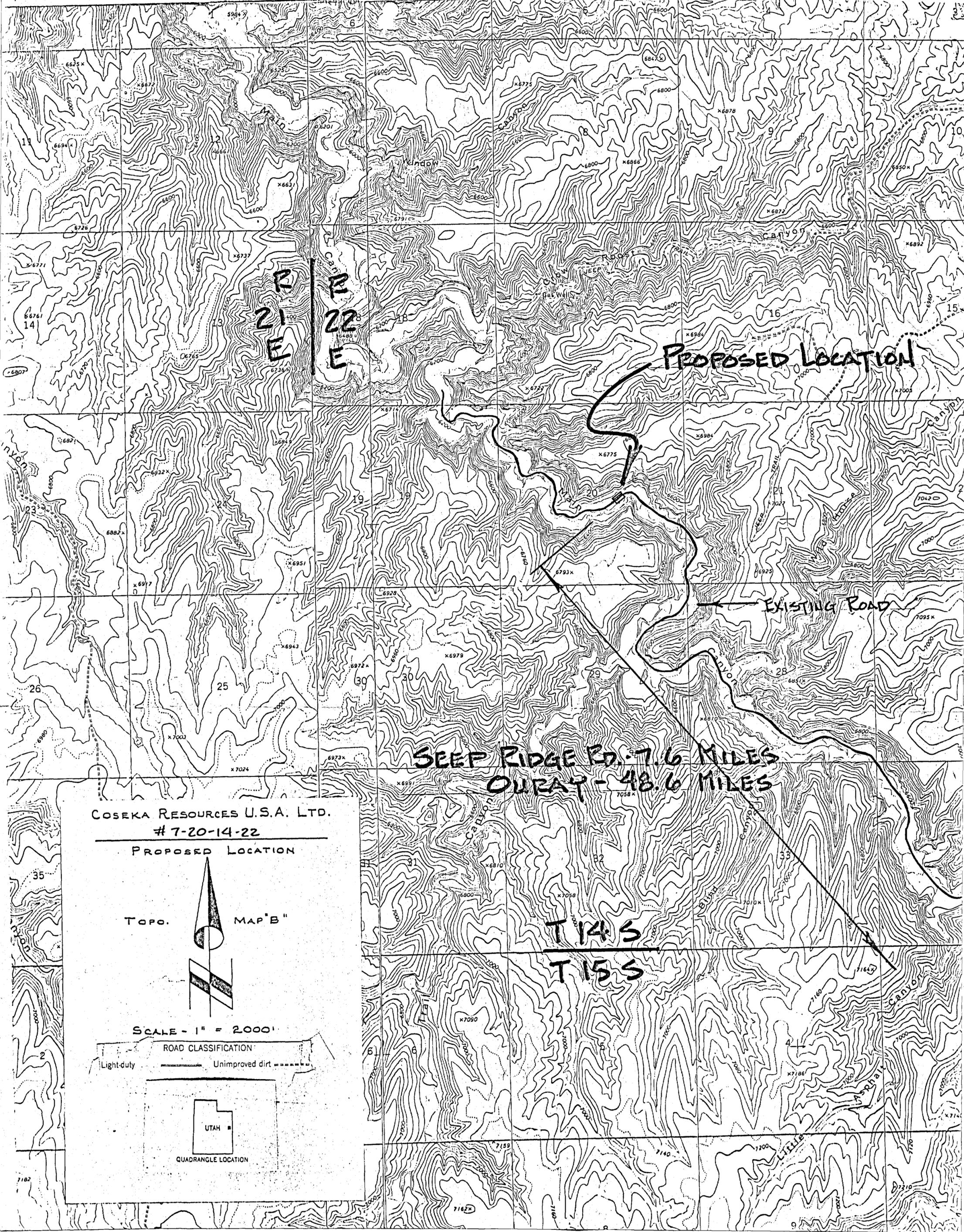


APPROXIMATE YARDAGES

CU. YDS. CUT - 3302

CU. YDS. FILL - 1442





R 21 E  
R 22 E

PROPOSED LOCATION

EXISTING ROAD

SEEP RIDGE RD. - 7.6 MILES  
OURAY - 48.6 MILES

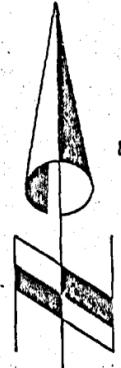
T 14 S  
T 15 S

COSEKA RESOURCES U.S.A. LTD.  
# 7-20-14-22

PROPOSED LOCATION

TOPO.

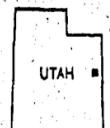
MAP "B"



SCALE - 1" = 2000'

ROAD CLASSIFICATION

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



UTAH  
QUADRANGLE LOCATION

R 21 E

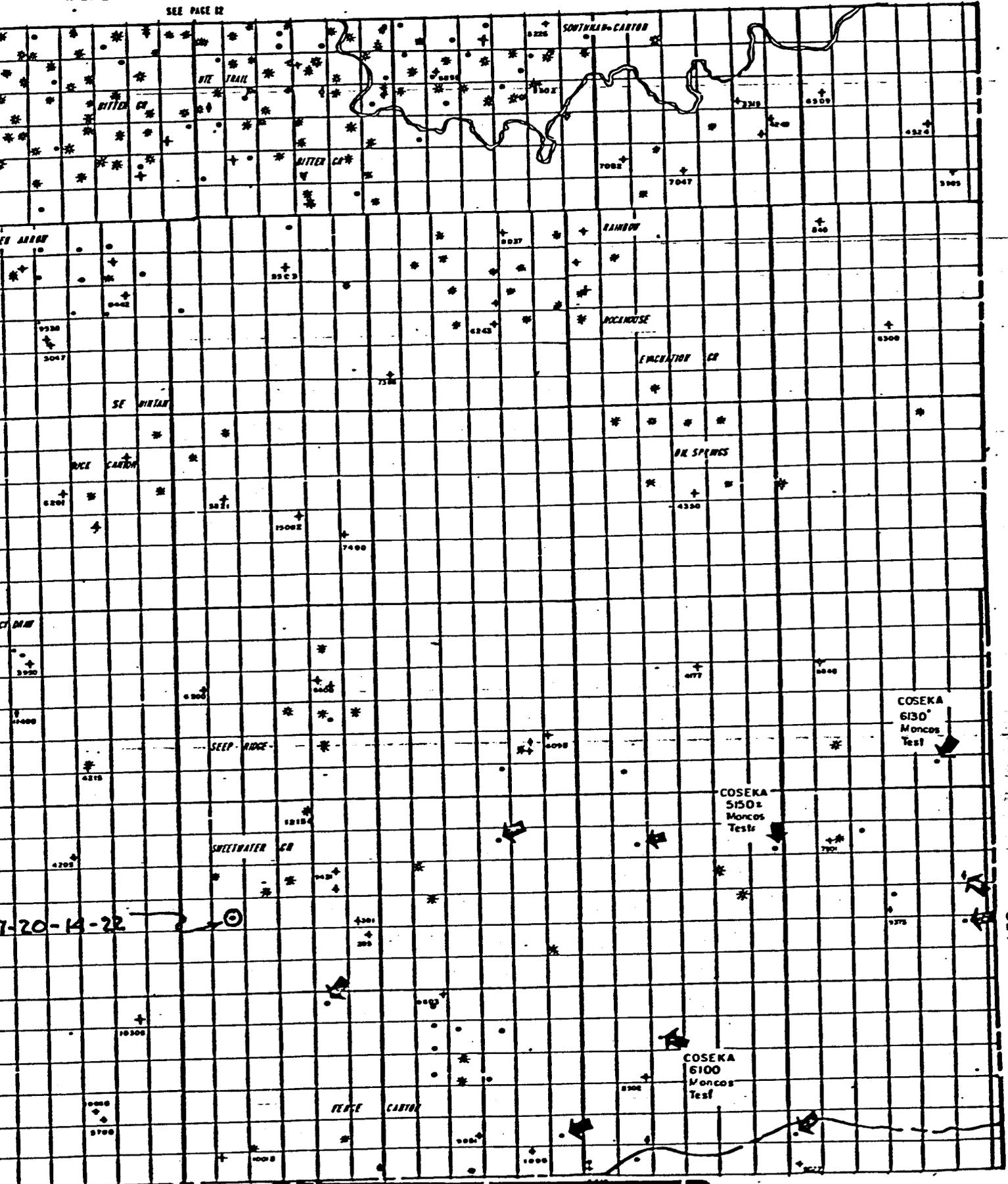
R 22 E

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

CHANCELL Moncos Tests

T 15 S

R 21 E

SEE PAGE 22

R 25 E

MAP "C" 7-20-14-22

(21)

UTAH

DESIGNATION OF AGENT

MINERALS MANAGEMENT  
SERVICE  
OIL & GAS OPERATIONS  
RECEIVED

Supervisor, Oil and Gas Operations:

APR 25 1983

The undersigned is, on the records of the Geological Survey, Unit Operator  
under the Pine Spring unit agreement, Utah County, Utah (state), No. 14-08-0001-16115 approved  
8/26/77 and hereby designated:

NAME: Coseka Resources (U.S.A.) Limited  
ADDRESS: 1512 Larimer, 200 Writer Square  
Denver, Colorado 80202

ACCEPTED - EFFECTIVE

*E. W. Guynn*  
E. W. Guynn  
Oil and Gas Supervisor

20 JUN 1983

as its agent, with full authority to act in its behalf in carrying out the terms  
of this Unit Agreement and regulations applicable thereto and on whom the supervisor  
or his representative may serve written or oral instructions in securing compliance  
with the Oil and Gas Operating Regulations with respect to drilling, testing, and  
completing unit well No. 7-20-14-22 in Section 20 : NW 1/4 SE 1/4,  
T. 14S, R. 22E, Uintah County, Utah.

It is understood that this designation of agent does not relieve the Unit  
Operator of responsibility for compliance with the terms of the unit agreement and  
the Oil and Gas Operating Regulations. It is also understood that this designation  
of agent does not constitute an assignment of any interest under the unit agreement  
or any lease committed thereto.

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

The Unit Operator agrees promptly to notify the oil and gas supervisor of  
any change in the designated agent.

This designation of agent is deemed to be temporary and in no manner a  
permanent arrangement.

This designation is given only to enable the agent herein designated to  
drill the above-specified unit well. Unless sooner terminated, this designation  
shall terminate when there is filed in the appropriate district office of the U.S.  
Geological Survey a completed file of all required Federal reports pertaining to  
subject well. It is also understood that this designation of agent is limited to  
field operations and does not cover administrative actions requiring specific  
authorization of the Unit Operator.

EXXON CORPORATION

Unit Operator

Div. Ldmn. KWP

Div. Geol. JKB

Jt. Inf. JEB

Div. Acct. JEB

Div. Law L.P.A.

Div. Ops. Mgr. P.L.C.

By: *Don Muddick*

OPERATOR COSEKA RESOURCES (USA) LIMITED

DATE 8-16-82

WELL NAME FED 7-20-14-22

SEC NWSE 20 T 14S R 22E COUNTY WINTAH

43-047-31370  
API NUMBER

FED  
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

MAP

HL

NID

PI

PROCESSING COMMENTS:

WATER OK

CHIEF PETROLEUM ENGINEER REVIEW:

8/16/82

APPROVAL LETTER:

SPACING:

A-3 PINE SPRING  
UNIT

c-3-a

CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING *FED*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER \_\_\_\_\_

UNIT *PINE SPRING*

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.

August 16, 1983

Coseka Resources, USA, Ltd.  
P. O. Box 399  
Grand Junction, Colorado 81502

RE: Well No. Federal # 7-20-14-22  
NW SE, Sec. 20, T. 14S, R. 22E.  
2475' FSL, 1895' FEL  
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.

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 - 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 43-047-31370.

Sincerely,

  
Norman C. Stout  
Administrative Assistant

NCS/cf  
cc: Oil & Gas Operations

Enclosures



**COSEKA RESOURCES (U.S.A.) LIMITED**  
2512 E 1/4 ROAD, P.O. BOX 399, GRAND JUNCTION, COLORADO 81502 (303) 245-6220

August 24, 1983

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

Attention: Norm Stout

Dear Norm:

Please place the following Pine Spring Unit wells on your  
Confidential list.

Well #13-1-14-21  
Well #16-19-14-22  
Well #7-20-14-22  
Well #8-21-14-22  
Well #12-18-14-22  
Well #1-10-14-22

All reports concerning the above listed wells will be stamped  
"Confidential".

Thank you,

A handwritten signature in cursive script that reads "Stacy Stewart".

Stacy Stewart  
Field Services Administrator

SS/ejp



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

September 25, 1984

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

Gentlemen:

Re: Applications to Drill Over One Year Old

Enclosed is a list of wells in your district that were given State approval to drill over one year ago. We have received copies of federal approval as noted.

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

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

Sincerely,

A handwritten signature in cursive script that reads "Claudia Jones".

Claudia Jones  
Well Records Specialist

clj  
Attachment  
cc: Dianne R. Nielson  
Ronald J. Firth  
John R. Baza  
File  
00000005/3-4

Attachment I  
Bureau of Land Management, Vernal  
September 25, 1984

Coseka Resources (USA) Limited  
Well No. Federal #7-20-14-22  
Sec. 20, T. 14S., R. 22E.  
Uintah County, Utah  
API #43-047-31370  
Lease #U-10199  
State Approval - August 16, 1983  
Federal Approval - July 18, 1983

Coseka Resources (USA) Limited  
Well No. Federal #8-21-14-22  
Sec. 21, T.14S., R. 22E.  
Uintah County, Utah  
API #43-047-31371  
Lease #U-10199  
State Approval - August 18, 1983  
Federal Approval - August 16, 1983

3100  
O&G  
(U-10199)

October 9, 1984

Coseka Resources (U.S.A.), Ltd.  
P.O. Box 399  
Grand Junction, Colorado 81502

Re: Rescind Application for Permit to Drill  
Well No. 7-20-14-22  
Section 20, T.14S., R.22E.  
Utah County, Utah  
Lease U-10199

Gentlemen:

The Application for Permit to Drill the referenced well was approved on July 28, 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,

*Lloyd H. Ferguson*  
for  
Lloyd H. Ferguson  
District Manager

cc: Well File  
State O & G  
SMA

*B Math / UL*



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

October 17, 1984

Coseka Resources U.S.A. Limited  
P.O. Box 399  
Grand Junction, Colorado 81502

Gentlemen:

Re: Well No. Federal #7-20-14-22 - Sec. 20, T. 14S., R. 22E.  
Uintah County, Utah - API #43-047-31370

In concert with action taken by the Bureau of Land Management, October 9, 1984, approval to drill the above referred to well is hereby rescinded without prejudice.

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

Sincerely

A handwritten signature in cursive script that reads "John R. Baza".

John R. Baza  
Petroleum Engineer

clj

cc: Dianne R. Nielson  
Ronald J. Firth  
File  
00000009/9