

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OIL & GAS OPERATIONS
RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. U-6841
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Coseka Resources (U.S.A.) Limited			7. UNIT AGREEMENT NAME Pine Spring
3. ADDRESS OF OPERATOR P.O. Box 399, Grand Junction, Colorado 81502			8. FARM OR LEASE NAME Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 336' FNL, 643' FEL Section 19, T14S, R22E, S.L.B.& M. At proposed prod. zone Same			9. WELL NO. #16-19-14-22
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 49.8 miles southeast of Ouray, Utah			10. FIELD AND POOL, OR WILDCAT Wildcat
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 336'	16. NO. OF ACRES IN LEASE 666.19	17. NO. OF ACRES ASSIGNED TO THIS WELL 160	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 19, T14S-R22E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH 2,244'	20. ROTARY OR CABLE TOOLS Rotary	12. COUNTY OR PARISH 13. STATE Uintah Utah
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6,244' Ungr.		22. APPROX. DATE WORK WILL START* April 15, 1983	

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 Stan Stewart TITLE Field Services Admin. DATE 7-8-83

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] for E. W. Guynn, Chief, DATE JUL 28 1983
TITLE Branch of Fluid Minerals

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

of state of a

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

Coseka Resources (U.S.A.) Limited
Well No. 16-19-14-22
Section 19, T. 14 S., R. 22 E.
Uintah County, Utah
Pine Springs Unit
Lease U-6841

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 top eight inches of topsoil will be stockpiled in two piles. Those piles will be located between reference corners No. 6 and No. 7 and No. 7 and No. 8.
- 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

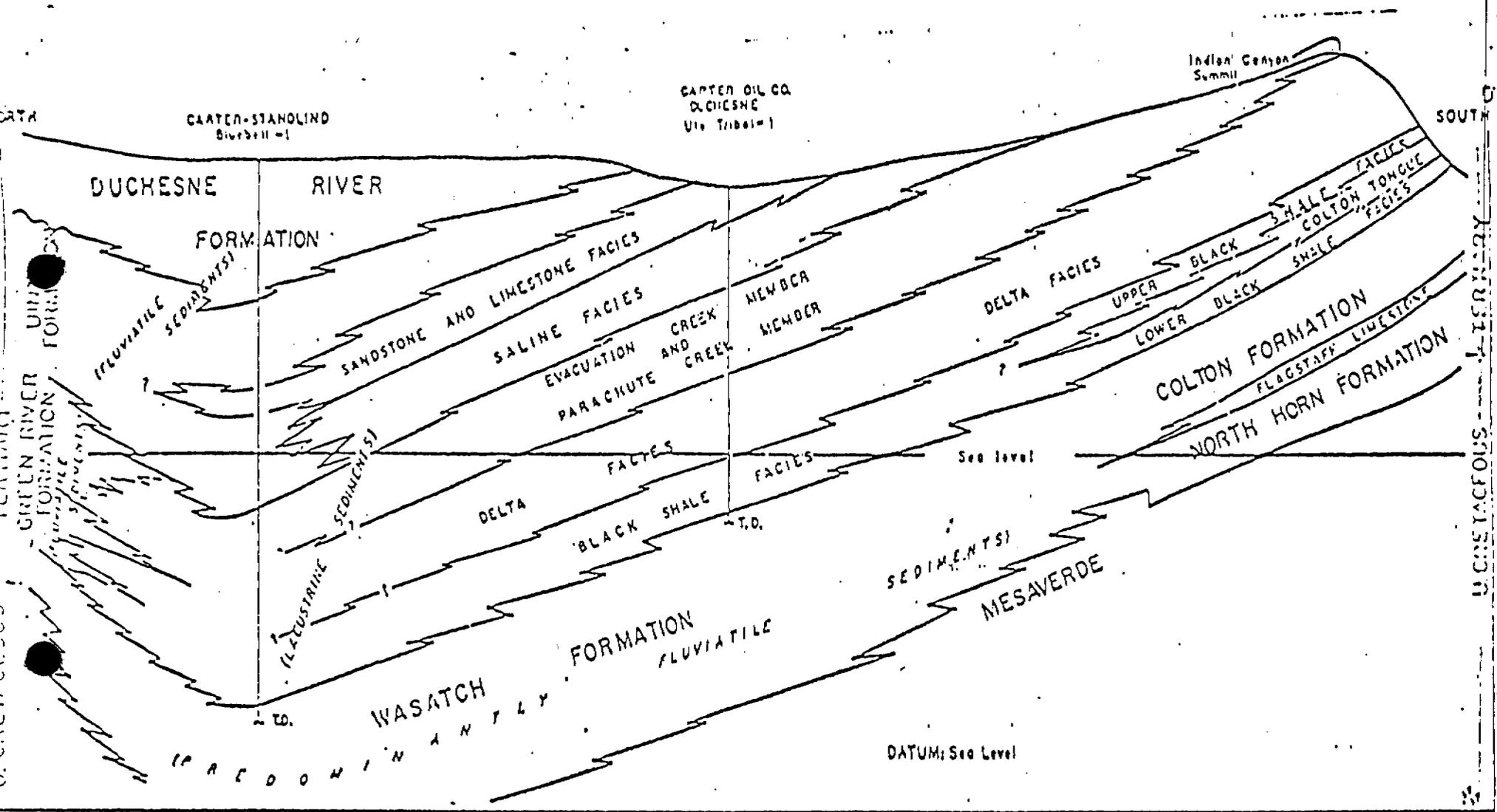
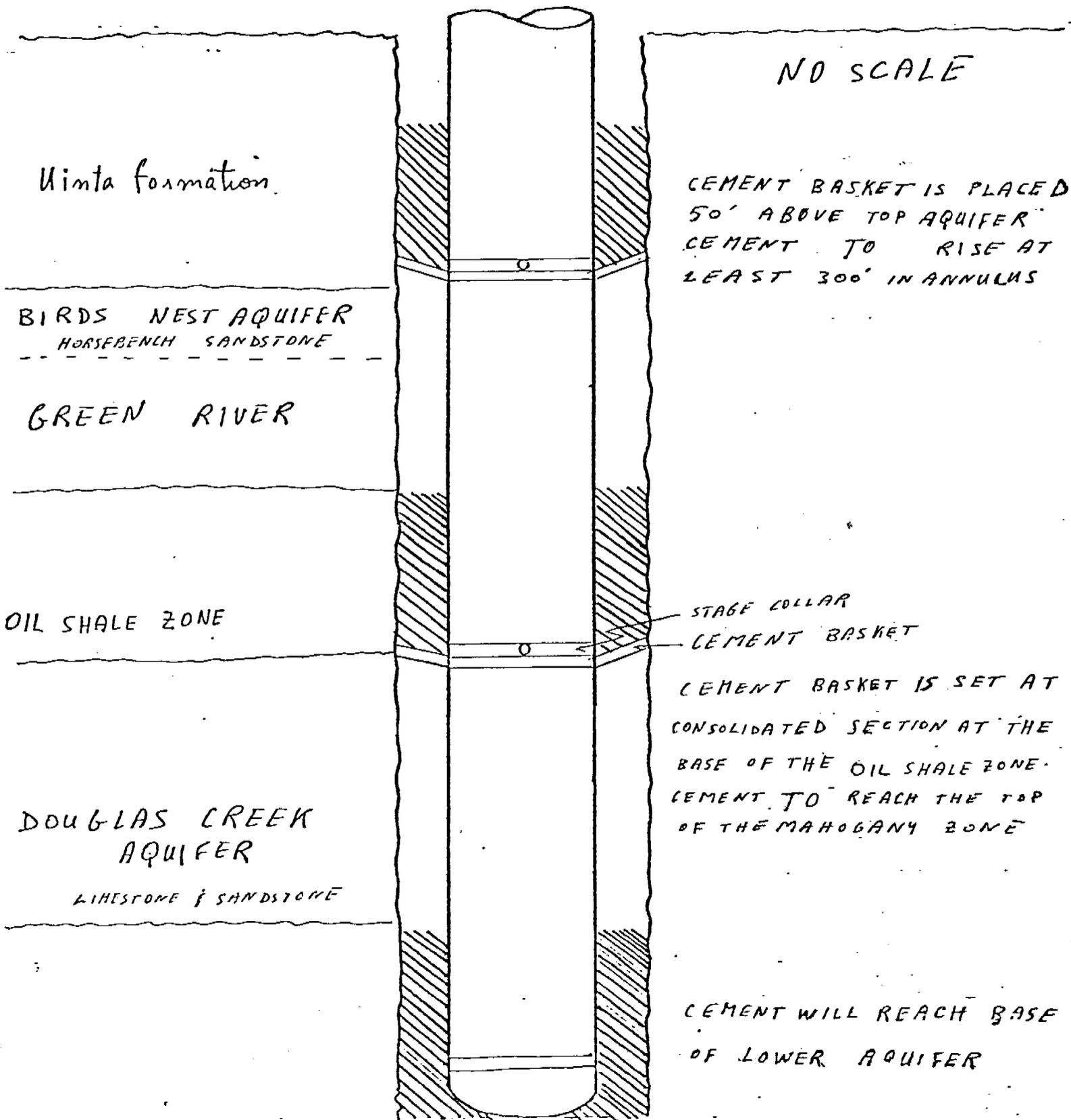


Figure 5.- View east of cross section of Uinta Basin showing stratigraphy and intertonguing of Tertiary rocks. Ute Tribal-1 (in section) is located about 3 miles southeast of the application area.

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



NO SCALE

Uinta formation

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

BIRDS NEST AQUIFER
HORSEBENCH SANDSTONE

GREEN RIVER

OIL SHALE ZONE

STAGE COLLAR
CEMENT BASKET

DOUGLAS CREEK AQUIFER
LIMESTONE & SANDSTONE

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)

5. Lease Designation and Serial No.

U-6841

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

Pine Spring ✓

8. Farm or Lease Name

Federal

9. Well No.

#16-19-14-22

10. Field and Pool, or Wildcat

Wildcat ✓

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

Section 19, T14S, R22E

12. County or Parrish 13. State

Uintah Utah

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 (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

336' FNL, 643' FEL, SEction 19, T14S, R22E, S.L.B.& M.

At proposed prod. zone
Same

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

49.8 miles southeast of Ouray, Utah

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

336'

16. No. of acres in lease

666.19

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

2,244'

Green Point

20. Rotary or cable tools

Rotary

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

6,244' 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

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

DATE: 8-16-83
BY: [Signature]

B.O.P. equipment will consists 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: [Signature] Title: Field Services Admin. Date: 8-12-83

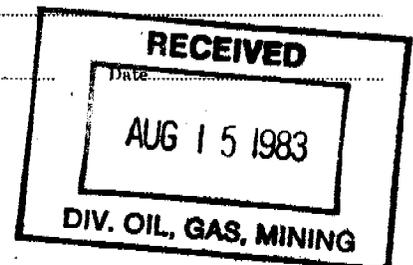
(This space for Federal or State office use)

Permit No. Approval Date

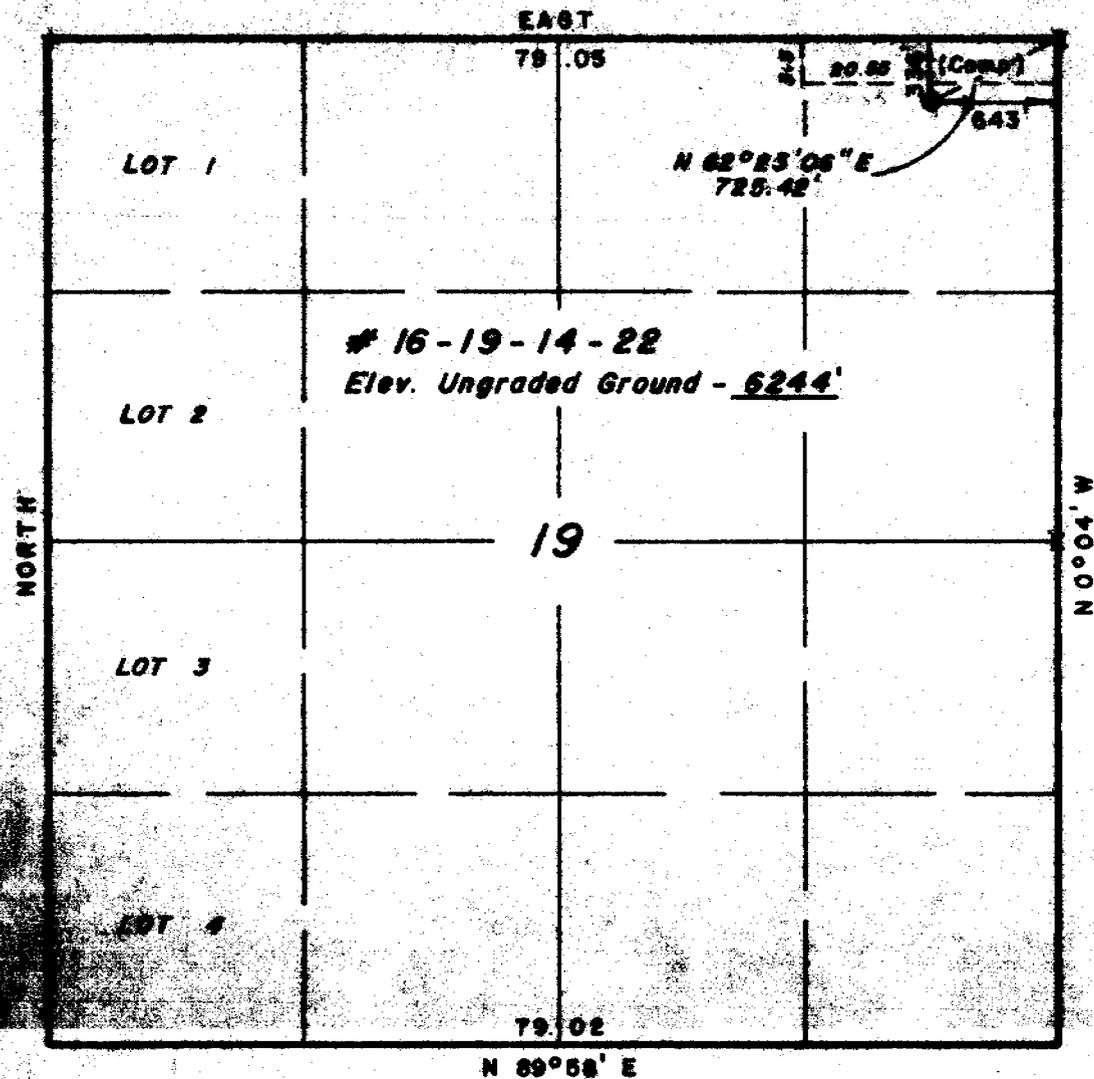
Approved by Title

Conditions of approval, if any:

*See Instructions On Reverse Side



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



X = Section Corners Located

PROJECT
COSEKA RESOURCES U.S.A. LTD.

Well location, # 16-19-14-22,
 located as shown in the NE 1/4 NE 1/4,
 Section 19, 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.

James Stewart
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 5120
 STATE OF UTAH

UTAH ENGINEERING & LAND SURVEYING P.O. BOX Q - 88 SOUTH - 200 EAST VERNAL, UTAH - 84078	
SCALE	1" = 1000'
DATE	11/11/82
PARTY	RT, SH, GS, TJ, JH
REFERENCES	GLO PLAT
WEATHER	Cloudy / Cool
FILE	COSEKA

Exhibit "A"

Ten Point Compliance Program FEB 11 1983

NTL-6

SALT LAKE CITY, UTAH

Attached to Form 9-331C
Well #16-19-14-22

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 6,244' are as follows:

Top Wasatch	659'
Top Mesa Verde	2,044'
Upper Dark Canyon Interval	1,682'
Lower Dark Canyon Interval	1,932'
Total Depth	2,244'

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.

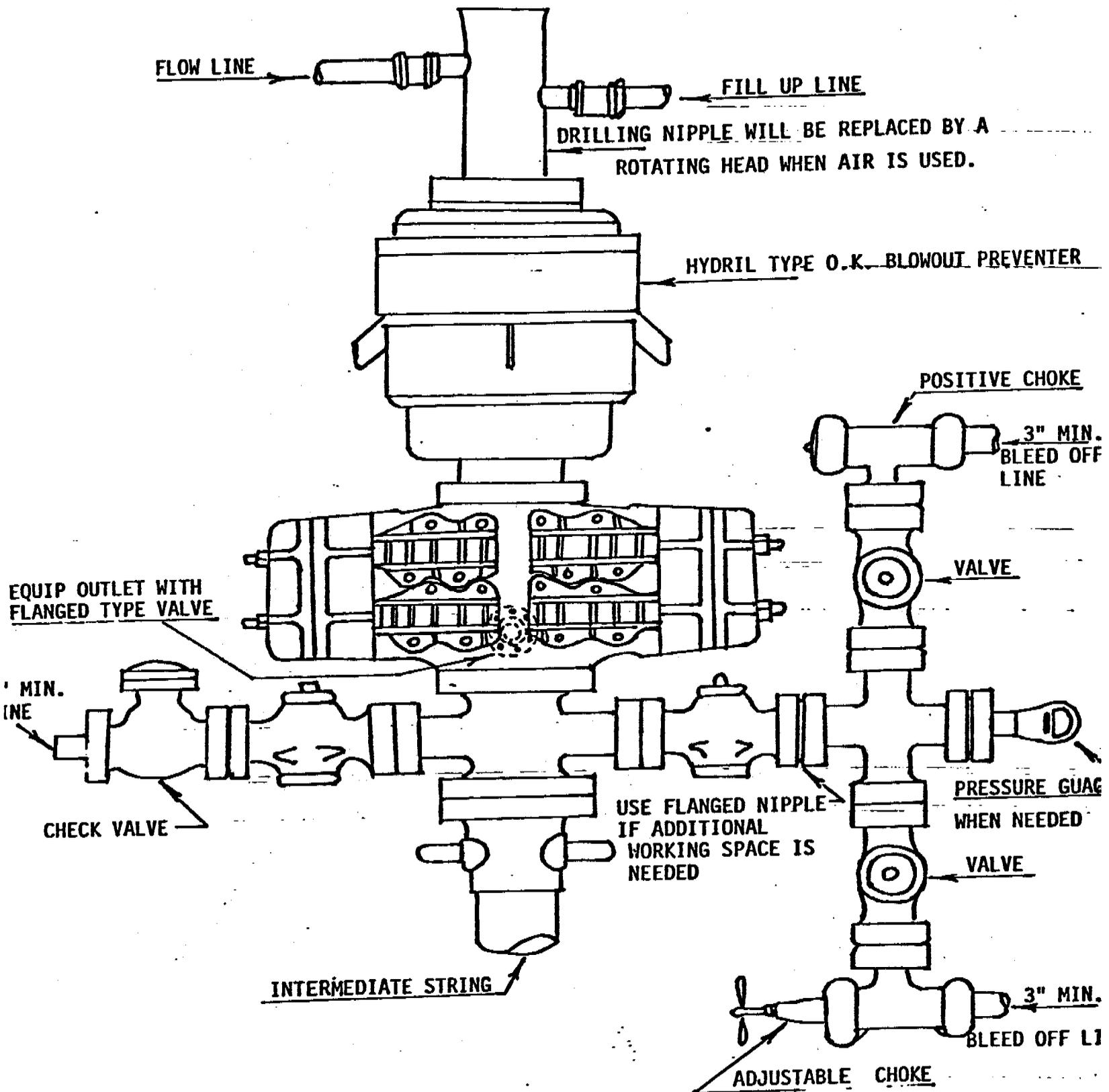
8. No coring or drill stem testing has been scheduled for this well. The logging will consist of a dual induction laterolog and a compensated neutron formation density log.

MINERALS MANAGEMENT
SERVICE
OIL & GAS OPERATIONS
RECEIVED

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 April 15, 1983 and that the operations will last three weeks.

FEB 11 1983
SALT LAKE CITY, UTAH

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



Coseka Resources (U.S.A.) Limited

13 Point Surface Use Plan

for

Well Location

#16-19-14-22

Located in

Section 19, 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 NE 1/4 NE 1/4, Section 19, T14S, R22E, S.L.B.& M. See well plat.
- B. The proposed location is approximately 49.8 miles southeast of Ouray, Utah. To reach Coseka Resources Well #16-19-14-22, proceed south from Ouray on the Seep Ridge Road for 41 miles. Turn right into Pine Spring Canyon and continue 8.8 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. 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 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 Mail 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.
- 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.
- (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 #6 & #7 and Corners #7 & #8.
- (3) Rig orientation, parking areas and access road.
- (4) 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

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 re-

distributed 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)

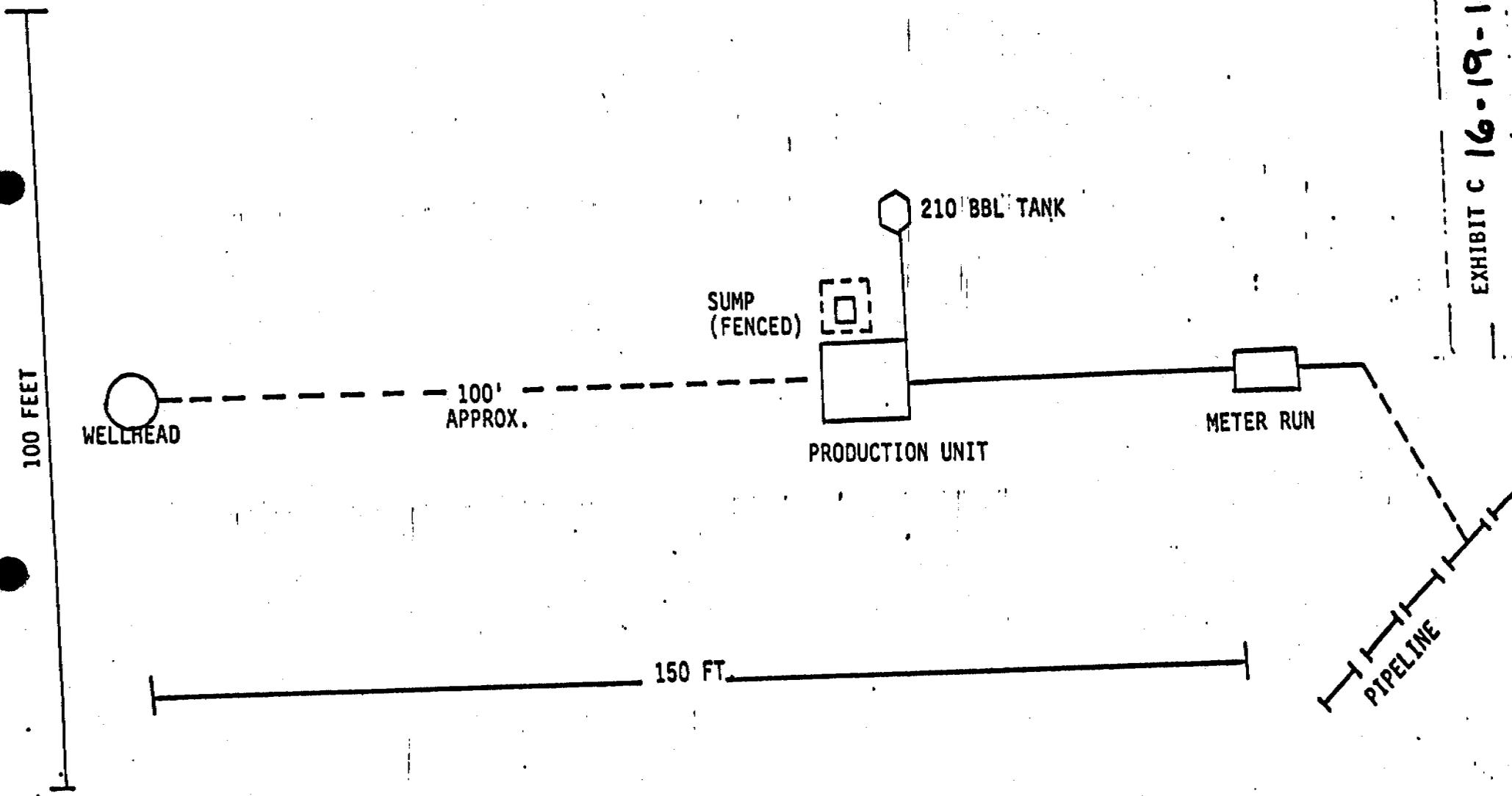
(303) 245-6220 (Office)
(303) 241-5834 (Home)

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.

7-8-83
Date

Stacy Stewart
Stacy Stewart, Field Services Administrator



PRODUCTION LAYOUT

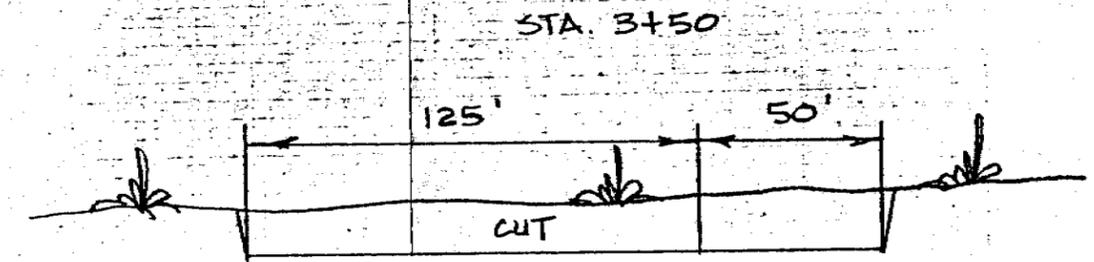
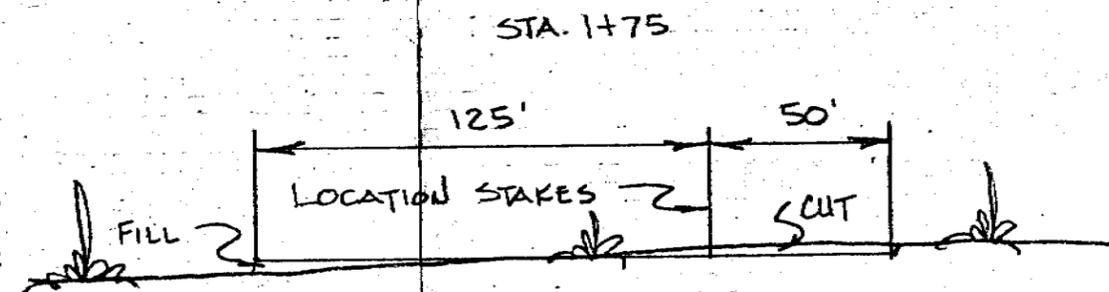
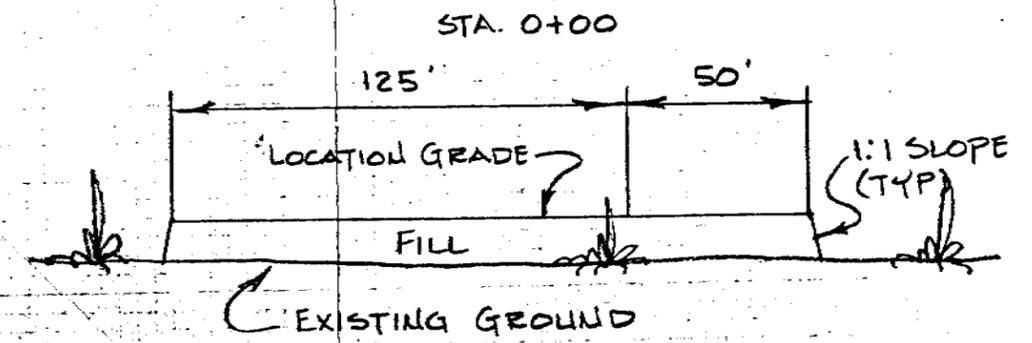
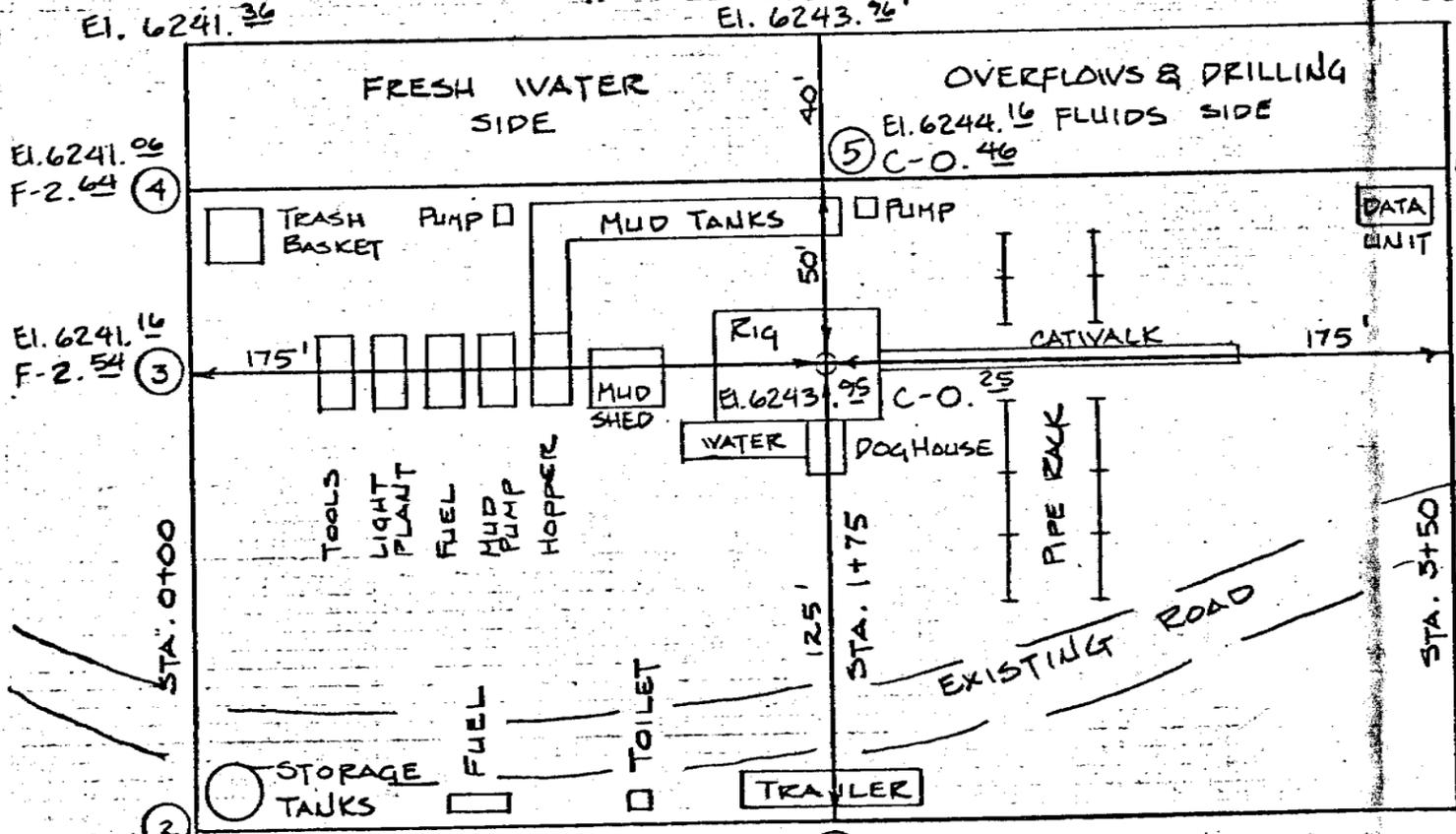
COSEKA RESOURCES U.S.A. L.T.D.

16-19-14-22

11/11/82
SCALE 1" = 50'

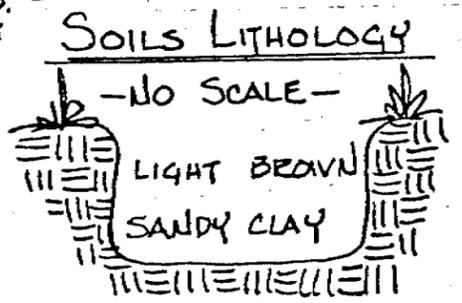


RESERVE PITS
El. 6243.26



C
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N
S

1" = 10'
SCALES
1" = 50'



APPROXIMATE YARDAGES
CU. YDS. CUT - 1,843
CU. YDS. FILL - 1,573

El. 6241.56
F-2.14

El. 6241.06
F-2.64

El. 6241.16
F-2.54

El. 6246.26
C-2.56

El. 6246.74
C-3.04

El. 6247.25
C-3.55

El. 6247.32

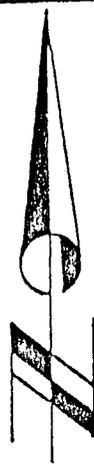
El. 6244.16
C-O.46

El. 6243.95
C-O.25

COSEKA RESOURCES U.S.A. LTD.
#16-19-14-22

TOPO.

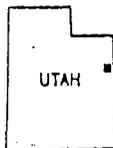
MAP "B"



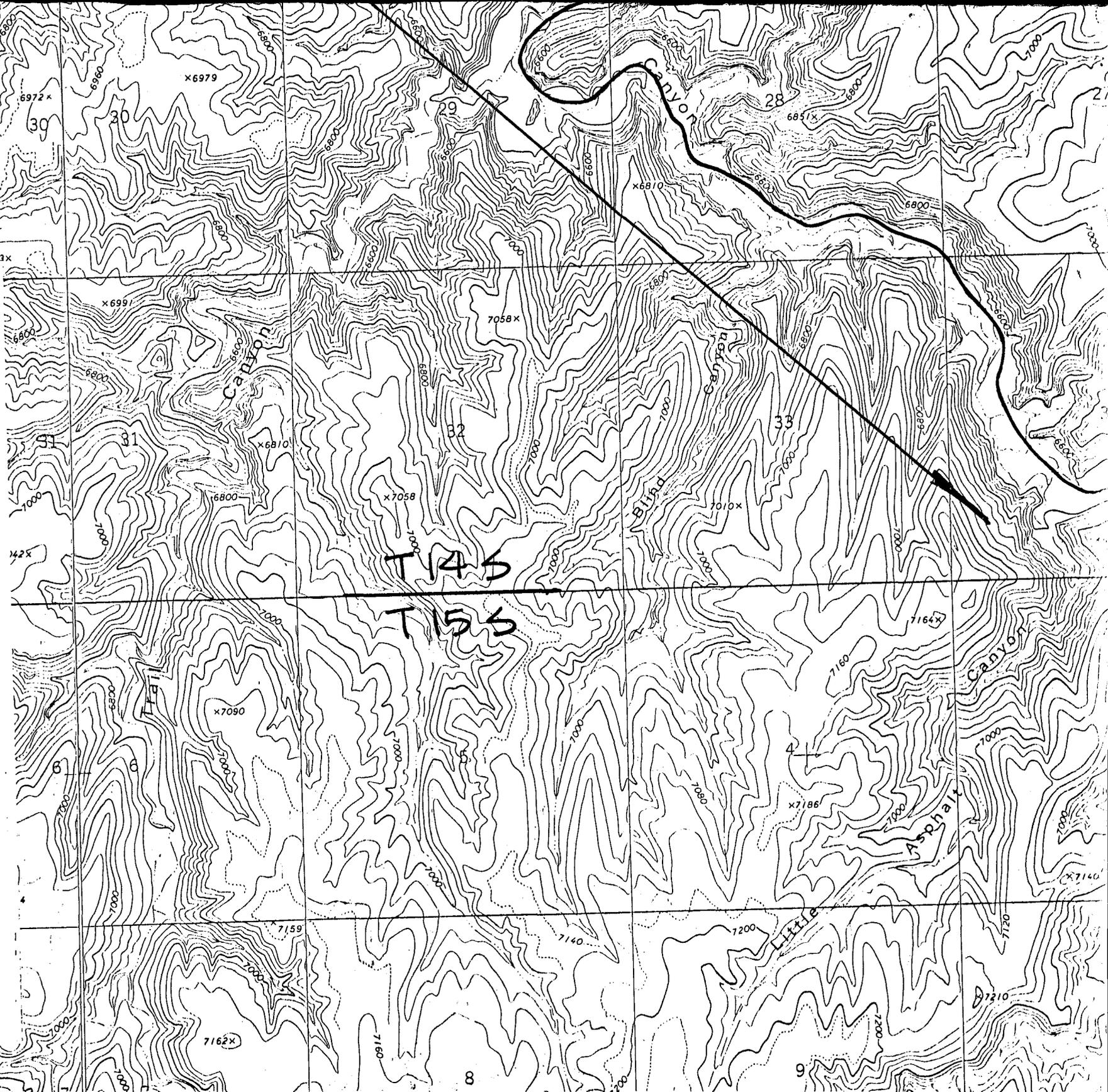
SCALE - 1" = 2000'

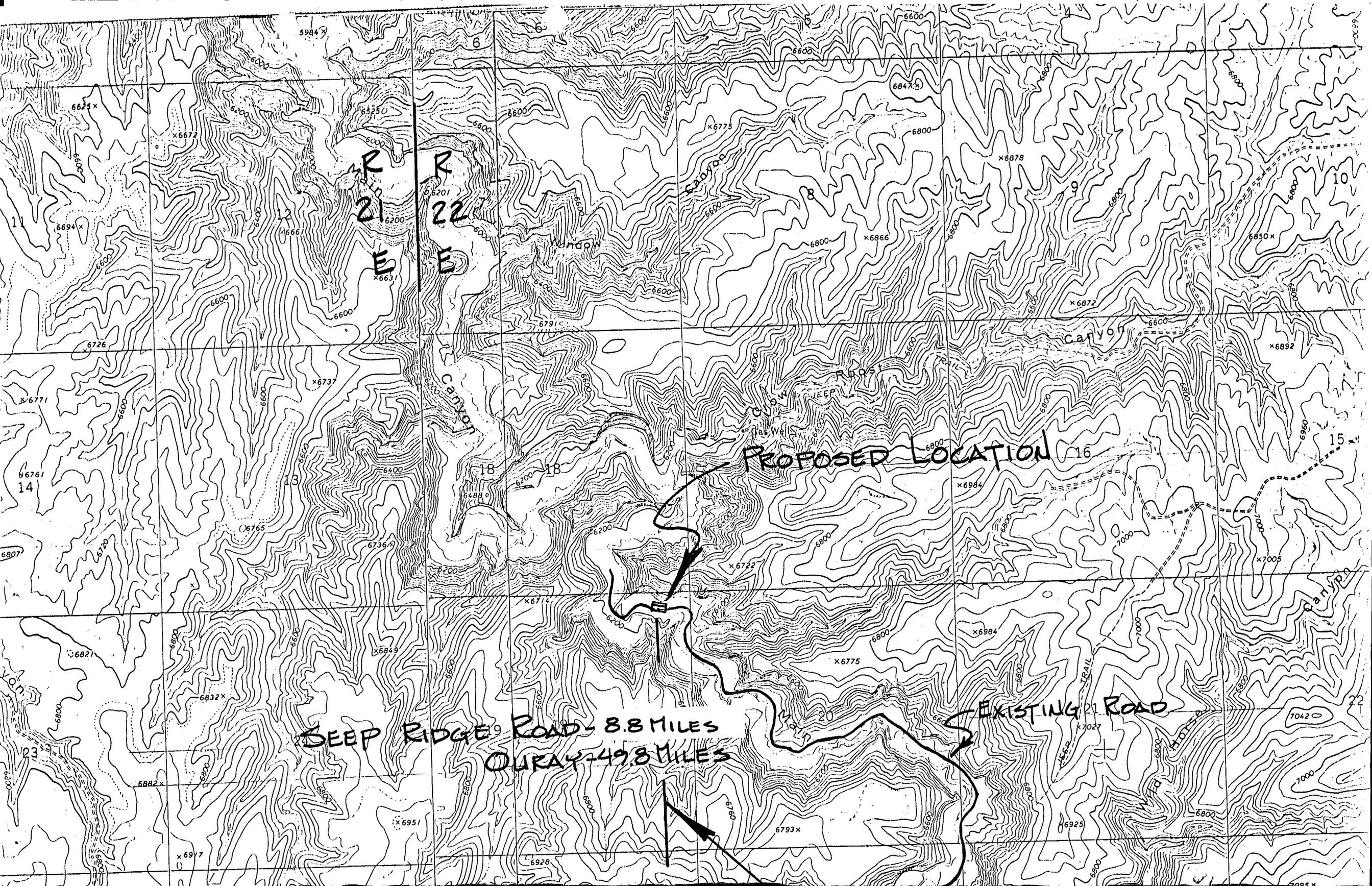
ROAD CLASSIFICATION

Medium-duty  Unimproved dirt 



QUADRANGLE LOCATION





RIDGE

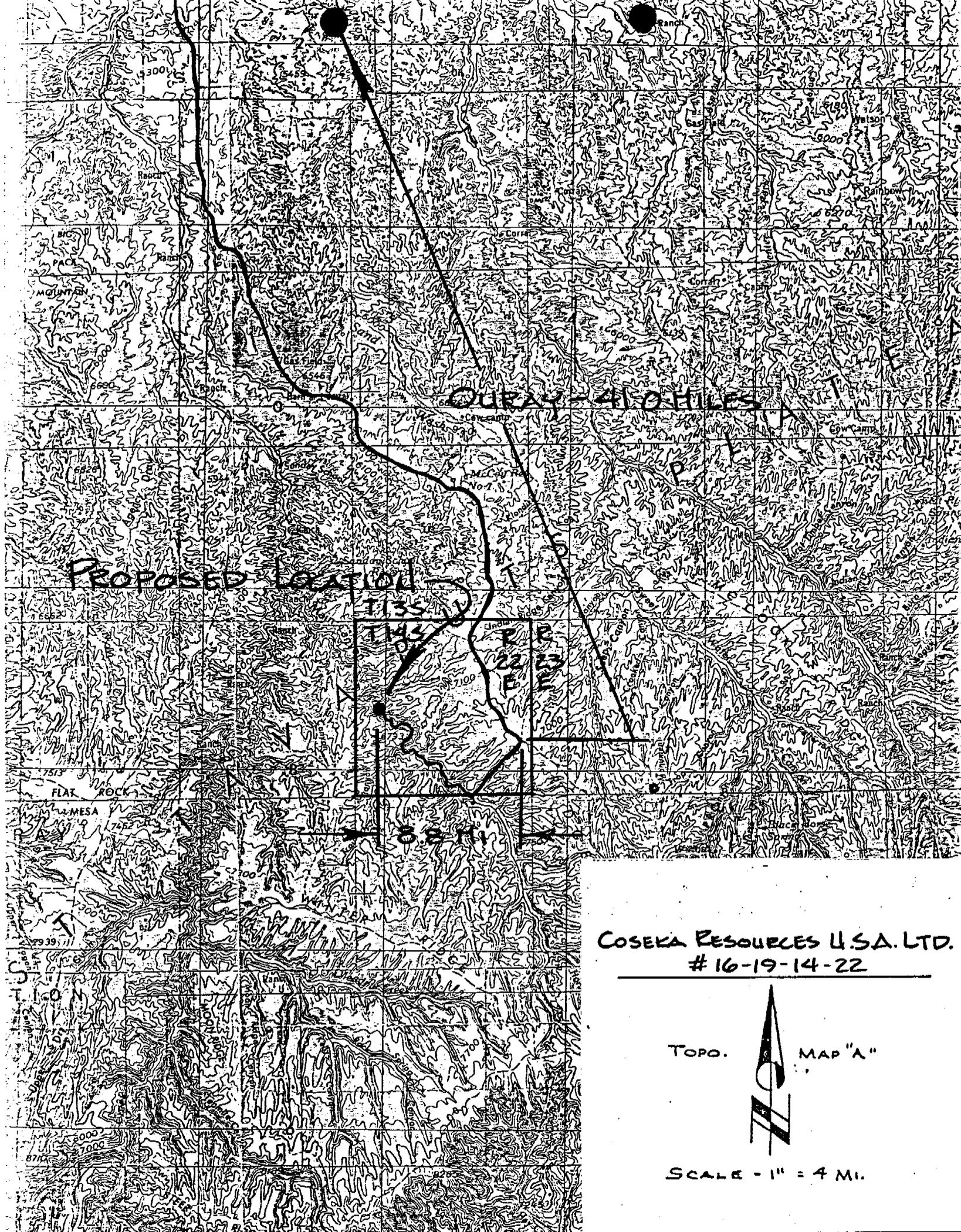
CANYON

PROPOSED LOCATION

EXISTING ROAD

SLEEP RIDGE ROAD - 8.8 MILES
OURAY - 49.8 MILES





QUEEN - 410 MILES

PROPOSED LOCATION

T 22 E
R 23 E

8811

COSEKA RESOURCES U.S.A. LTD.
16-19-14-22

TOPO.

MAP "A"



SCALE - 1" = 4 MI.

R 21 E

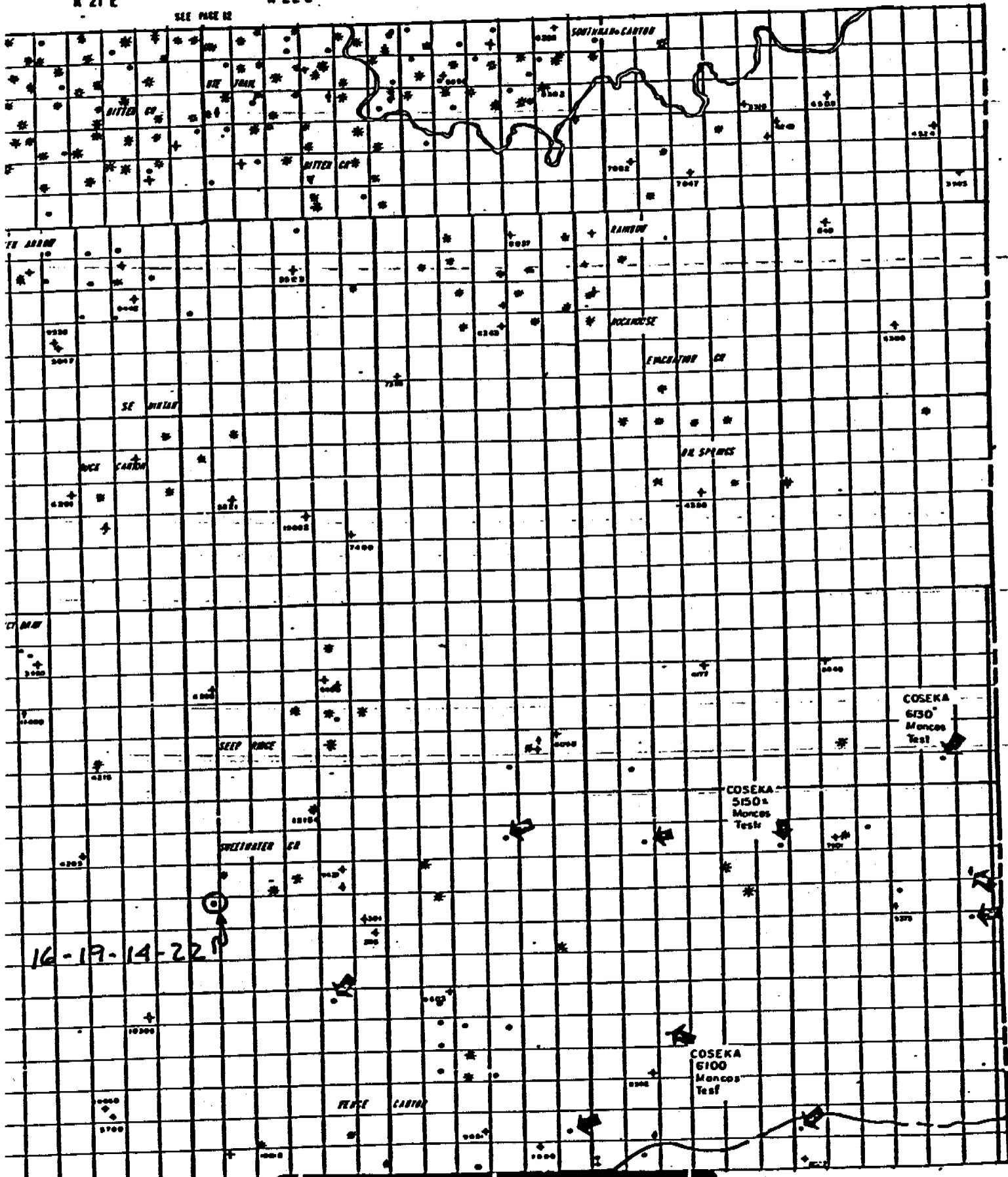
R 22 E

R 23 E

R 24 E

R 25 E

SEE PAGE 22



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 25 E

MAP C 16-19-14-22

21

UTAH

DESIGNATION OF AGENT MINERAL MANAGEMENT SERVICE OIL & GAS OPERATIONS RECEIVED

Supervisor, Oil and Gas Operations:

The undersigned is, on the records of the Geological Survey, Unit Operator under the Pine Spring unit agreement, SALT LAKE CITY, UT 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

as its agent, with full authority to act in its behalf in compliance with 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. 16-19-14-22 in Section 19 : NE 1/4 NE 1/4, T. 14S, R. 22E, Utah 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. Idm. CWP
Div. Geol. JDA
Div. Acct. JES
Div. Law ELR
Div. Ops. Mgr. WTC

By: Don McDella

APR 25 1983

20 JUL 1983

OPERATOR COSEKA RESOURCES (USA) LIMITED

DATE 8-16-83

WELL NAME FED 16-19-14-22

SEC NEVE 19 T 14 S R 22 E COUNTY UINTAH

43-047-31368
API NUMBER

FED
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

MAP

HL

NID

PI

PROCESSING COMMENTS:

WATER OK

✓
CHIEF PETROLEUM ENGINEER REVIEW:

8/16/83

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 # 16-19-14-22
NE NE, Sec. 19, T. 14S, R. 22E.
336' FNL, 643' 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 43-047-31368.

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,

Stacy Stewart
Field Services Administrator

SS/ejp

NOTICE OF SPUD

BEST COPY AVAILABLE

RECEIVED

AUG 30 1983

Company: Casper's Drilling

Caller: Gene

Phone: 245-6220

DIVISION OF
GAS & MINING

Well Number: Pine Springs 16-19-14-22

Location: ^{N.E.} Sec 19-14S-22E

County: Montana State: _____

Lease Number: 2-184-1

Lease Expiration Date: _____

Unit Name (If Applicable): _____

Date & Time Spudded: 3:00 PM P 25-85

Dry Hole Spudder/Rotary: _____

Details of Spud (Hole, Casing, Cement, etc.) _____

Rotary Rig Name & Number: Thomas Kelly #37

Approximate Date Rotary Moves In: 8-24-83

FOLLOW WITH SUNDRY NOTICE

Call Received By: R. L. L...

Date: 8-26-83

**UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE*

Form approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

U-6841

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Pine Spring

8. FARM OR LEASE NAME

Federal

9. WELL NO.

#16-19-14-22

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Section 19, T14S, R22E

12. COUNTY OR PARISH
Utah

13. STATE
Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL GAS WELL DRY

2. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR.

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

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

5. LOCATION OF WELL (Report location clearly and in accordance with any State regulations)
At surface 336' FNL, 643' FEL, Section 19, T14S, R22E, S.L.B. & M.

At top prod. interval reported below

At total depth Same

NENE

43-047-31368

14. PERMIT NO. N/A DATE ISSUED

12. COUNTY OR PARISH
Utah

13. STATE
Utah

15. DATE SPUDDED
8-25-83

16. DATE T.D. REACHED
9-2-83

17. DATE COMPL. (Ready to prod.)
9-21-83

18. ELEVATIONS (DF, REB, RT, GR, ETC.)*
6,244' Ungr.

19. ELEV. CASINGHEAD
--

20. TOTAL DEPTH, MD & TVD
2,270'

21. PLUG, BACK T.D., MD & TVD
2,255'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS
0-2,270'

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Dark Canyon; Top 1,774'

MVRO

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CDL/CNL/GR; DLL

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	537'	12 1/4"	350 sxs Class "H"	
4 1/2"	10.5#	2,255'	7 7/8"	280 sxs light cmt + 180 sxs Thixotropic	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	2,207'	

31. PERFORATION RECORD (Interval, size and number)

2,194'-2,205' perfed with 1 11/16" Enerjet; 2 JSPF; total of 23 holes.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2,194'-2,205'	30,705 gals foam + additives 5,000 gals Methanol 34,000 lbs. 10/12 sand

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
SI for PBU		Flowing				SI for PBU	
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9/19-21/83	45	Open	→	5.6	315.93	15	--
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
180	220	→	3	168.5	8	--	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

TEST WITNESSED BY

G. Martin

35. LIST OF ATTACHMENTS

Logs under separate cover.

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

SIGNED Tony J. Cox

TITLE Area Production Engineer

DATE 9-23-83

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
38. GEOLOGIC MARKERS			
NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Wasatch	705'		
Top Dark Canyon	1,774'		



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

July 19, 1984

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

Gentlemen:

RE: Well No. Pine Spring Federal 16-19-14-22, Sec. 19, T. 14S., R. 22E.,
Uintah County, Utah, API #43-047-31368.

According to our records, a "Well Completion Report" filed with this office September 23, 1983, from the above referred to well, indicates that the following electric logs were run: CDL/CNL/GR, and DLL. As of today's date, this office has not received these logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature and a self-addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

Claudia L. Jones
Well Records Specialist

clj
Enclosure

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN THIS MANNER
(Other instructions on reverse side)

Form Approved
Budget Bureau No. 1004-0335
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.
U-6841

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	7. UNIT AGREEMENT NAME Pine Springs
2. NAME OF OPERATOR Coseka Resources (USA) Limited	8. FARM OR LEASE NAME Federal
3. ADDRESS OF OPERATOR P.O. Box 399 Grand Junction, CO 81502	9. WELL NO. 16-19-14-22
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) AT SURFACE 336' FNL, 643' FEL Sec. 19, T14S, R22E SLB & M	10. FIELD AND POOL, OR WILDCAT Wildcat
11. PERMIT NO.	11. SEC. T. R. M. OR BLK. AND SURVEY OF AREA Sec. 19, T14S, R22E
12. ELEVATIONS (Show whether by, FT., CM, ETC.) 6244' Ungr	12. COUNTY OR PARISH Uintah
	13. STATE Utah

15. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SECT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SECT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLATE <input type="checkbox"/>	(Other) <u>Well on Production</u> <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. LESSEE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

1st Delivery: 2:00 PM 12-20-84

~~CONFIDENTIAL~~

RECEIVED
DEC 24 1984

DIVISION OF
OIL, GAS & MINING

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

SIGNED [Signature] TITLE Dist. Superintendent DATE 12-21-84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



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

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• COSEKA RESOURCES USA LTD
SUITE 300 1512 LARIMER ST
DENVER CO 80202 1602
ATTN: DAVID JOHNSON

Utah Account No. N0280
Report Period (Month/Year) 6 / 88
Amended Report

Well Name	Producing Zone	Days Oper	Production Volume		
API Number Entity Location			Oil (BBL)	Gas (MSCF)	Water (BBL)
MAIN CYN 6-8-15-23 4304731073 08045 15S 23E 8	CSLGT				
MAIN CYN 16-4-15-23 4304731111 08045 15S 23E 4	DKTA				
DRY BURN UNIT #1 4304730331 08050 13S 25E 29	MNCS				
CROOKED CYN 13-17-14-23 4304730619 08055 14S 23E 17	DKTA				
CROOKED CYN 10-10-14-23 4304730708 08055 14S 23E 10	MNCS				
SWEETWATER CYN #1 4304730460 08060 14S 24E 14	MNCSB				
SWEETWATER 6-13-14-24 4304731040 08060 14S 24E 13	DKTA				
WOLF UNIT 3-11-15-21 4304730622 08065 15S 21E 11	DKTA				
FED 16-19-14-22 4304731368 08069 14S 22E 19	MVRD				
BLACK HORSE #2 4304730248 08070 15S 24E 29	MNCS				
BLACK HORSE 14-15-15-24 4304731045 08070 15S 24E 15	MNCSB				
BLACK HORSE 12-8-15-24 4304731104 08070 15S 24E 8	MNCSB				
FEDERAL 5-13-15-21 4304731137 08071 15S 21E 13	DK-MR				
TOTAL					

Comments (attach separate sheet if necessary) _____

I have reviewed this report and certify the information to be accurate and complete. Date _____

Authorized signature _____ Telephone _____



COSEKA RESOURCES (U.S.A.) LIMITED

300 WRITER SQUARE, 1512 LARIMER STREET, DENVER, COLORADO 80202-1602 (303) 573-6178

RECEIVED
JUL 1 1988

DIVISION OF
OIL, GAS & MINING

June 27, 1988

On June 30, 1988, Coseka Resources (U.S.A.) Limited will be merged with and change its name to Arch Oil & Gas Company. The address for the organization will be unchanged at 300 Writer Square Building, 1512 Larimer, Suite 300, Denver, Colorado 80202-1602. The telephone number will also remain the same at (303) 573-6178.

While there should be no change in your communications with us, it is our hope that this change in name reflects the resolution of the past bankruptcy and the new and positive direction for the company. We look forward to working with you in the future as Arch Oil & Gas Company.

Thank you for your interest and if you have any questions, please contact us.

Sincerely,

Coseka Resources (U.S.A.) Limited

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE
(Other instructions on reverse side)

Form approved
Budget Bureau No. 1004-20-13
Expires August 31, 1985

LEASE REGISTRATION AND SERIAL NO.

U-6841

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL AGREEMENT NAME
Pine Spring

2. FARM OR LEASE NAME
Federal

3. WELL NO.
16-19-14-22

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLM, AND SURVEY OR AAAA

Sec. 19, T14S, R22E

12. COUNTY OR PARISH 13. STATE
Uintah Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Arch Oil & Gas Company

3. ADDRESS OF OPERATOR
1512 Larimer St., Suite 300, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
336' FNL & 643' FEL, Sec. 19, T14S, R22E

14. PERMIT NO.

15. ELEVATIONS (Show whether of, ft. or etc.)
6244' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) Proposed Plugging Procedure <input checked="" type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Well Data: See attached diagram
Proposed Plugging Procedure

1. Spot a 160' cement plug 2095'-2255' across Dark Canyon perms.
2. Load hole with 8.6 ppg fluid.
3. Set a 30' cement plug at surface.
4. Erect dry hole marker.

COPY

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

SIGNED *[Signature]*

TITLE

Operations Manager

DATE

7/28/88

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE

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

Federal approval of this action
is required before commencing
operations

*See Instructions on Reverse Side

DATE: 8-3-88
BY: *[Signature]*



COSEKA RESOURCES

(U.S.A.) LIMITED

810 W. 17th Street, Denver, CO 80202-1802

WELL No. PINE SPRING 16-19-14-22
 LOCATION 336 FNL, 143 FEL
 Sec. 19 T. 14 S R. 22 E
 COUNTY WINTAKE STATE UTAH
 LEASE No. 11-12841

ELEC 6244 GRP

8 5/8"

24'

537

- CMT. TOP @ 100'

Hole Size 7 7/8"

CEMENT TOP @

2 3/8" 47# J-SS @ 2207'

COPY

4 1/2"

10.5# K-SS
ST&C

DARK CANYON PERFS

2194 - 2205

2255 P.B.O.

2255

T.D. 2270

RIPPY, INC.

P. O. Box 66
Grand Junction, CO 81502
Phone (303) 243-4594

RECEIVED

NOV 02 88

ARCH OIL & GAS
COMPANY

Date 10/10/88

CEMENTING AFFIDAVIT PULLING & PLUGGING REPORT

Company Arch Oil & Gas

Lease Pine Springs Well No. 16-19-14-22

Section 19 Township 14 S Range 22 E Unit _____ County Uintah, Utah

_____ Ft. of _____ Casing Recovered

_____ Ft. of _____ Casing Recovered

PLUGS SET

1. 12 Sax Cement Set At 2255 Ft. To 2095 Ft.
2. 12 Sax Cement Set At 2255 Ft. To 2095 Ft. *Tag*
3. 8 Sax Cement Set At between 4 1/2" of surface casing at surface Ft. To _____ Ft.
4. 6 Sax Cement Set At inside at surface of 4 1/2" Ft. To _____ Ft.
5. _____ Sax Cement Set At _____ Ft. To _____ Ft.
6. _____ Sax Cement Set At _____ Ft. To _____ Ft.
7. _____ Sax Cement Set At _____ Ft. To _____ Ft.
8. _____ Sax Cement Set At _____ Ft. To _____ Ft.

Other 1st 12 sx plug was there but not set up
so run another. Cap welded on & regulation
marker erected. Location cleaned, 8 1/2" mud
was circulated between plugs.

RIPPY, INC.

Signed

[Signature]

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

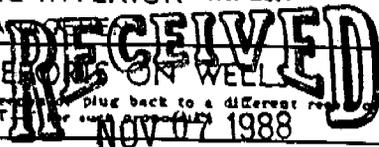
SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved
Budget Bureau No. 1004-1-15
Expires August 31, 1985 MVRD

LEASE DESIGNATION AND SERIAL NO
U-6841

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen a well. Plug back to a different reservoir. Use "APPLICATION FOR PERMIT TO DRILL OR DEEPEN A WELL".)



1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR: Arch Oil & Gas Company
DIVISION OF OIL, GAS & MINING

3. ADDRESS OF OPERATOR: 1512 Larimer St., Suite 300, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
336' FNL & 643' FEL, Sec. 19, T14S, R22E

14. PERMIT NO. 43-047-31368

15. ELEVATIONS (Show whether of, to, or, etc.)
6244' GR

1. IF INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Pine Spring

8. FARM OR LEASE NAME
Federal

9. WELL NO.
16-19-14S-22E

10. FIELD AND POOL, OR WELDCAT
Wildcat

11. SEC. T. R. M. OR B.L. AND SURVEY OR AREA
Sec. 19, T14S, R22E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Executed Plugging Procedure <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Well Plugged and Abandoned 10/10/88 as follows:

1. Plug #1 12 sx set at 2255' - 2095'
2. Plug #2 12 sx set at 2255' - 2095', tagged plug, (first plug did not set up).
3. Plug #3 8 sx between 4 1/2" casing and surface casing at surface.
4. Plug #4 6 sx inside 4 1/2" casing at surface.
5. 8.6 ppg mud circulated between plugs.
6. Welded cap on surface casing. Erected dry hole marker.

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

SIGNED Tony [Signature] TITLE Operations Manager DATE 11/03/88

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN THIS CASE
(Other instructions on reverse side)

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

RECEIVED
JAN 08 1990

SUNDRY NOTICES AND REPORTS ON

(Do not use this form for proposals to drill or to deepen or plug back to different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME Pine Spring
2. NAME OF OPERATOR Arch Oil & Gas Company		8. FARM OR LEASE NAME Federal
3. ADDRESS OF OPERATOR 1512 Larimer St., Suite 300, Denver, CO 80202		9. WELL NO. 16-19-14S-22E
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 336' FNL & 643' FEL, Sec. 19, T14S, R22E		10. FIELD AND POOL, OR WILDCAT Wildcat
14. PERMIT NO. 43-047-31308		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 19, T14S, R22E
15. ELEVATIONS (Show whether OF, RT, CR, etc.) 6244' GR		12. COUNTY OR PARISH Utah
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Final Notice of Abandonment <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The subject well has been permanently plugged and abandoned and all surface disturbances have been restored and vegetation re-established.

OIL AND GAS	
DTM	
JRS	CLS
DTM	CLS

1-TAS	
2- MICROFILM	<input checked="" type="checkbox"/>
3- FILE	

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

SIGNED Terry A. Cox TITLE Operations Manager DATE 01/05/90

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions on Reverse Side

43-047-31368
UNITED STATES

		19 *

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION

Sec. 19
T. 14 S
R. 22 E
SLB & Mer.

INDIVIDUAL WELL RECORD

PUBLIC LAND:

Date November 2, 1983

Ref. No.

Land office Utah State Utah
 Serial No. 6841 County Uintah
 Lessee Exxon Corporation, et al Field Pine Springs Unit
 Operator Arch Oil & Gas District Vernal
Coseka Resources (U.S.A.) Ltd
 Well No. 16-19-14-22 Subdivision NE NE
 Location 336' FNL & 643' FEL
 Drilling approved July 28, 1983 Well elevation 6244' Ungr. feet
 Drilling commenced Aug. 25, 1983 Total depth feet
 Drilling ceased September 2, 1983 Initial production
 Completed for production Sept. 21, 1983 Gravity A. P. I.
 Abandonment approved Dec 28, 1992 Initial R. P.

Geologic Formations		Productive Horizons		
Surface	Lowest tested	Name	Depth	Contents

WELL STATUS

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.

REMARKS

RECEIVED

JAN 12 1993

DIVISION OF
OIL, GAS & MINING