

FILE NOTATIONS

Entered in MID File
 Location Map Plotted
 Card Indexed

Checked by Chief
 Approval Letter
 Disapproval Letter

PWS
1-22-73

COMPLETION DATA:

Date Well Completed *1-21-73*
 NW..... WW..... TA.....
 SW..... OS..... PA.....

Location Inspected
 Bond released
 State or Fee Land

LOGS FILED

Driller's Log.....
 Electric Logs (No.)
 E..... I..... Dual I Est..... CD-W..... Micro.....
 BHC Sonic GR..... Lat..... MI-L..... Sonic.....
 CBLog..... CCLog..... Others.....

NLR

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 A DAK ENERGY CORPORATION

3. ADDRESS OF OPERATOR
 803 Phillips Petroleum Bldg. Salt Lake City, Utah

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 720' West of east line and 2125' South of North line, Sec. 17
 T 21 S, R 23 E
 At proposed prod. zone Same *SW SE 1/4*

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 20 miles east of Thompson, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
 720' West of East line of Sec. 17, T21S, R23E

16. NO. OF ACRES IN LEASE
 40

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 1 mile NW of State # 1, Sec. 16

19. PROPOSED DEPTH
 1800'

20. ROTARY OR CABLE TOOLS
 Rotary with air

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4504' GR.

22. APPROX. DATE WORK WILL START*
 Jan. 20, 1973

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4 "	J55 9 5/8	36.0	100'	50 SXS Ca Cl
8 3/4 "	7"	26.4	850'	60 SXS CaCl

Operator proposes to drill with Rotary, using compressed air and air mist as a drilling medium on a 12 1/4" hole to 110', set 3 joints of 9 5/8", cement to surface, then drill a 8 3/4" hole to 850', set a string of 7" casing, cement with 60 sxs and drill into the Dakota ss, with a 6 1/4" bit and test. If productive, complete; if not, drill to the Morrison at 1080', Summerville at 1610' and the Entrada sand at 1655'.

102-5

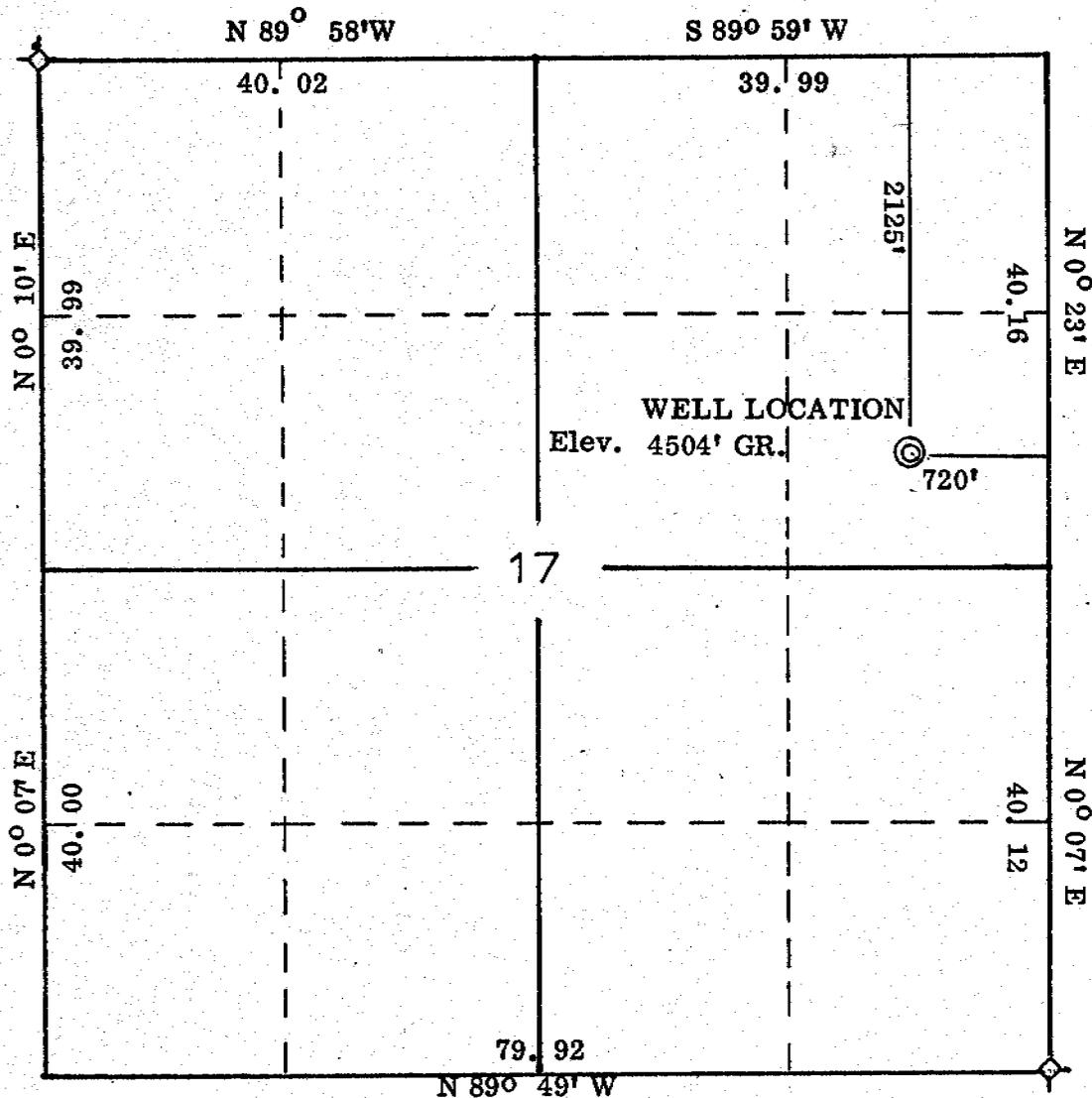
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Louis J. Hall TITLE Pres. DATE Jan 8 1973

(This space for Federal or State office use)
 PERMIT NO. 43-0133130 APPROVAL DATE _____

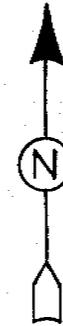
APPROVED BY _____ TITLE _____
 CONDITIONS OF APPROVAL, IF ANY:

T 21 S. R 23 E. S.L.B.M.



Section Corners Located (Brass cap) \diamond

Well location as shown is in the SE 1/4 NE 1/4
Sec. 17, T 21 S, R 23 E, S.L.B.M. Grand Co. Utah



This is to certify that this plat was prepared from field notes of actual survey made December 18, 1972 and that the same is true and correct to the best of my knowledge and belief.

Certified Professional Geologist #766

ADAK ENERGY CORP.
68 South Main St.
Salt Lake City, Utah

Scale 1" 1000'

Date *Nov 19 1972*

Ref. GLO Plat

Approved *[Signature]*

WELL LOGGING REPORT
 ADAK ENERGY CORP.
 ADAK NO 4, SEC. 17, T21. R 23 E

Adak Energy Corp.
 803 PHILLIPS PETROLEUM BLDG.
 68 SO. MAIN ST.
 SALT LAKE CITY, UTAH 84101

DRILLING RATE IN MIN/FT.					LITHOLOGY-graphic			PHYSICAL CHARACTERISTICS			RESERVIOR		REMARKS
					Depth	Inter	%						
5	10	15	20	25	300'				Sh, dk - dk gr, calc,			SAMPLES, START @ 300' IN MANCOS, SHALE, 30' intervals to 600'	
									silty			ALL SAMPLES DRY AIR DRILLING	
					400'				Shales, dk. dk-gr n/c				
					500'				Sh, dk gr, tr silty gr, sh.				
									calc,				
									dk gr. n/c				
					600'								

WELL LOGGING REPORT

Adak Energy Corp.
 803 PHILLIPS PETROLEUM BLDG.
 68 SO. MAIN ST.
 SALT LAKE CITY, UTAH 84101

ADAK # 4

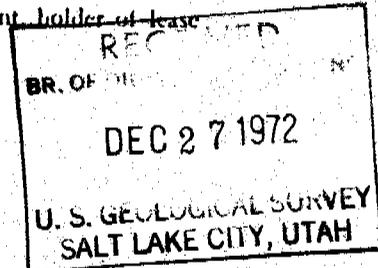
2

DRILLING RATE IN MIN/FT.					LITHOLOGY-graphic			PHYSICAL CHARACTERISTICS			RESERVIOR		REMARKS
					Depth	Inter	%						
5	10	15	20	25	600				Shale, dk gr, calc.			10' SAMPLES to 1060'	
									sh				
					700				sh, dk gr, calc.			tr gas, shot down. RUN, 736' 7" casing	
											Tr gas.		
					800				shale, as above, n/c.				
									silty texture				
					900								

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Utah
SERIAL NO.: U-16964-~~1~~ B



and hereby designates

NAME: ADAK ENERGY CORPORATION
ADDRESS: 803 Phillips Petroleum Bldg.
Salt Lake City, Utah 84101

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

T 21 S, R 23 E
Section 17, SE 1/4 NE 1/4 -- 40 acres
Grand County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

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

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

WILLARD PEASE DRILLING CO.

Willard H. Pease
(Signature of lessee) **PRESIDENT**

JAN 11 1973

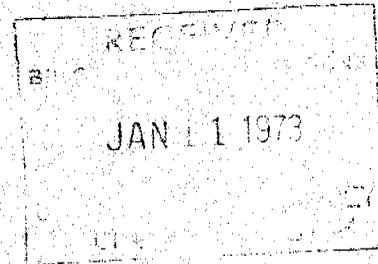
(Date)

(Address)
P.O. Box 548
Grand Junction, Colo.

Adak Energy Corp.
803 PHILLIPS PETROLEUM BLDG.
68 SO. MAIN ST.
SALT LAKE CITY, UTAH 84101

January 8, 1973

Mr. Gerald Daniels
U.S.G.S. District Engineer
8th Floor, Federal Building
Salt Lake City, Utah 84111



Dear Sir:

Adak Energy Corporation of Salt Lake City, Utah wishes to make application to drill on Federal Lease # U 16964⁸ in Section 17, T 21 S, R 23 E, Grand County, Utah as filed in triplicate on form 9-331C.

In addition to information given in "application for permit to drill" may we submit the following information on plan of development:

1. Existing roads. Attached photo copy of U.S.G.S. quadrangle shows main highways and roads leading to well location in Sec. 17, T 21 S, R 23 E.
2. Planned access roads. Cunningham Ranch road in Sec. 18, east through Sec. 18, across Sec. 17 to location. The leasee agrees to upgrade the roads to any well or other improvement which is regularly maintained or inspected as directed by the District Manager's Authorized Representative if any well becomes a producer or if any improvement is needed for the sustained production of oil and gas i.e. gauging stations, cathodic stations, and etc. Such upgrading may include ditching and draining, culverts, and grave or capping of the road bed.
3. Location of wells. Adak has a gas well, State # 1, 1 mile to the Southwest. Dry and abandoned wells have been drilled by Utah Southern to the east and west of Federal # 3 location.
4. Lateral roads to well's location. (See attached map).
5. Location of tank batteries and flowlines. A tank battery will be set up after rig is cleared and location graded; flowlines will be laid depending on location of main trunk line.

Gerald Daniels
Adak's Federal # 4

6. Location and types of water supply. Water will be hauled from the Colorado River 7 miles to the southeast. Well will be drilled with air and air mist.
7. Methods for handling waste disposal. (See location plat layout). Liquid wastes will be temporarily allowed to stand in reserve pit; solid wastes will go to the refuse pit and be removed after drilling.
8. Location of camps. NO camp required.
9. Location of airstrip. NO airstrip required.
10. Location layout. (See plat of rig and tank layout.)
11. Plans for restoration of the surface. After drilling is completed and drilling equipment is removed, surface will be filled and graded with soil and Mancos shale, and gravel base for tanks and driveways to production facilities.
12. Any other information. Pease Drilling Rig # 4 is equipped with A.P.I. series 900 Double Ram Blowout preventers and these will be tested before drilling out under surface pipe and checked daily or when drill pipe comes out of the hole.

Adak trusts that the above drilling proposal together with maps, charts and forms, will provide necessary information to grant permit and allow us to proceed on our drilling for oil and/or gas on Federal # 4 in Section 17, T 21 S, R 23 E.

Very truly yours,



ADAK ENERGY CORPORATION
by Lewis F. Wells, President

LFW/hw

January 22, 1973

Adak Energy Corporation
803 Phillips Petroleum Building
Salt Lake City, Utah

Re: ~~Well No. Federal #4,~~
Sec. 17, T. 21 S, R. 23 E,
Well No. Federal #5,
Sec. 7, T. 21 S, R. 23 E,
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued in Cause No. 102-5.

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

PAUL W. BURCHELL - Chief Petroleum Engineer
HOME: 277-2890
OFFICE: 328-5771

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

The API numbers assigned to these wells are:

Federal #4: 43-019-30130
Federal #5: 43-019-30131

Very truly yours,

DIVISION OF OIL AND GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATES*

(See other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

U - 16984 - B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

ADAK

9. WELL NO.

Fed. # 4

10. FIELD AND POOL, OR WILDCAT

Cisco

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

**SE 1/4 NE 1/4 Sec. 17
T 21 S, R 23 E**

12. COUNTY OR PARISH
Grand

13. STATE
Utah

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

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

2. NAME OF OPERATOR
Adak Energy Corporation

3. ADDRESS OF OPERATOR
803 Phillips Petroleum Bldg. SLC, Utah

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface **720' West of east line & 2125' South of north line**
Sec. 17, T 21 S, R 23 E
At top prod. interval reported below
Same
At total depth
Same

14. PERMIT NO. **43-019-30130** DATE ISSUED **1-16-73**

15. DATE SPUDDED **Jan. 18, 1973** 16. DATE T.D. REACHED **Jan. 20, 1973** 17. DATE COMPL. (Ready to prod.) **Jan. 21, 1973** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **4514' DF** 19. ELEV. CASINGHEAD **4508'**

20. TOTAL DEPTH, MD & TVD **1150'** 21. PLUG, BACK T.D., MD & TVD **--** 22. IF MULTIPLE COMPL., HOW MANY* **--** 23. INTERVALS DRILLED BY ROTARY TOOLS **Sur- 1150'** CABLE TOOLS **----**

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
1049-1082, Buck Horn Sandstone 25. WAS DIRECTIONAL SURVEY MADE **No**
See 6-5-74 Compl Report

26. TYPE ELECTRIC AND OTHER LOGS RUN **No logs run** 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
J55 9 5/8"	32 #	108'	12 1/4"	Halliburton w/ 40 sxs 4%cc	None
7"	23 #	735'	8 3/4"	35 sxs 2%cc	None

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	1120'	none

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
Interval	Size and number	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Open end completion	None		No acid nor frac.

33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
		Flowing gas				Shut in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
Jan. 22 '73	18	1"	→		1,112		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
405#	405#	→		335			

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **To be sold** TEST WITNESSED BY **R. Morris, Pease Dr. Co.**

35. LIST OF ATTACHMENTS

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

SIGNED _____ TITLE **President** DATE **Feb. 23, 1973**

*(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.)

37. SUMMARY OF POROUS ZONES: SHOW: ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Mancos	Surface	915'	Sh. dk. gr.-Calc., uniform
Dakota	915'	1049'	Dakota Siltstone, wh.-lt. gr. silt & shale
Buck Horn	1049'	1110'	Sandstone, Med - cr, wh-gr., porous, Flowed dry gas
Morrison	1110'	1150'	TD Morrison, Dull red-brn. shales and mudstones

NAME	MEAS. DEPTH	TRUE VERT. DEPTH

915
 795
 1610

 4590
 + 1534

 6124

P. W.

March 27, 1973

MEMO FOR FILING

Re: Adak Oil Corporation
Wells #1, 3, 4, & 5
T. 21 S, R. 23 E,
Grand County, Utah

On March 21, 1973, the above referred to well sites were visited.

The #3 abandoned location and the other shut-in wells were visited. The locations cannot be approved at this time as mud pits are still present and need to be back filled.

PAUL W. BURCHELL
CHIEF PETROLEUM ENGINEER

PWB:ck

cc: U.S. Geological Survey

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

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved,
Budget Bureau No. 42-R355.6.

5. LEASE DESIGNATION AND SERIAL NO.

U- 16964 - B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

ADAK

9. WELL NO.

Federal # 4

10. FIELD AND POOL, OR WILDCAT

Cisco

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

**SE 1/4 NE 1/4 Sec. 17
T 21 S, R 23 E**

12. COUNTY OR PARISH
Grand

13. STATE
Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

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

2. NAME OF OPERATOR

Adak Energy Corporation

3. ADDRESS OF OPERATOR

803 Phillips Petroleum Bldg., SLC, Utah

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface **720' West of east line & 2125' South of north line**

At top prod. interval reported below **Sec. 17, T 21 S, R 23 E**

At total depth **Same**

14. PERMIT NO.

43-019-30130

DATE ISSUED

1-16-73

15. DATE SPUNDED

Jan. 18, '73

16. DATE T.D. REACHED

Jan 20, 1973

17. DATE COMPL. (Ready to prod.)

Jan. 21, 1973

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

4514' DF

19. ELEV. CASINGHEAD

4508'

20. TOTAL DEPTH, MD & TVD

1150'

21. PLUG, BACK T.D., MD & TVD

--

22. IF MULTIPLE COMPL., HOW MANY*

--

23. INTERVALS DRILLED BY

Sur- 1150'

ROTARY TOOLS

CABLE TOOLS

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

1049-1062, Buck Horn Sandstone

X Sec 6-5-74 Compl. Report

25. WAS DIRECTIONAL SURVEY MADE

no

26. TYPE ELECTRIC AND OTHER LOGS RUN

No logs run

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
J55 915/8"	32 #	105'	12 1/4'	Haliburton w/ 40 sxs 4%cc	None
7"	23 #	735'	8 3/4'	35 sxs 2%cc	None

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8 "	1120'	none

31. PERFORATION RECORD (Interval, size and number)

None

Open end completion

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

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

No acid nor frac.

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
	Flowing gas	Shut in					
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
Jan. 22, 1973	18	1"	→	-0-	834	-0-	Dry- no fluid
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
405 #	405 #	→		1,112	--	--	

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

To be sold

R. Morris, Pease Dr. Co.

35. LIST OF ATTACHMENTS

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

SIGNED



TITLE

President

DATE

April 1, 1973

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.

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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.

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37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Mancos	Surface	915'	Sh. Dk. Gr--Calc., uniform
Dakota	915'	1049'	Dakota Siltstone, wh-lt, gr, silt & Shale
Buck Horn	1049'	1110'	Sandstone, Med -cr, wh-gr., porous flowed dry gas.
Morrison	1110'	1150' TD	TD Morrison, Dull, red-brn, shales and mudstones.

NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
		APP 17 1973

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

Land Office SLC
Lease No. U 16964 B

LESSEE'S MONTHLY REPORT OF SALES AND ROYALTY

Lessee Willard Pease Drilling Co. Month Jan. thru Dec., 1973
 Operator: Adak Energy Corp. (12 months)
 Location SE 1/4 NE 1/4 Sec. 17 21 S. 4 23 E SLM
 (Section) (T.) (R.) (M.)
 Field Unnamed County Grand State Utah

Following are ALL runs and sales made this month
 (If no runs or sales of any products were made, state NONE under the appropriate heading)

OIL					GAS			
Tank No.	Date	Net Barrels Run	Gravity	Price Per Barrel	Value	Sales in 1,000 Cu. Ft. @ 10 oz. and 14.4#	Price per 1,000 Cu. Ft.	Value
Adak Federal #4 is shut in; No gas nor oil produced on this lease in 1973.								
		TOTAL				TOTAL	AVERAGE	TOTAL
PURCHASER OF ABOVE OIL					PURCHASER OF ABOVE GAS			
					GASOLINE			
		TOTAL BARRELS RUN	AVERAGE PRICE	TOTAL VALUE		Sales in Gallons	Price Per Gallon	Value
						TOTAL	AVERAGE	TOTAL
PURCHASER OF ABOVE OIL					PURCHASER OF ABOVE GASOLINE			
					BUTANE AND OTHER LIQUID PRODUCTS			
						Sales in Gallons	Price Per Gallon	Value
						TOTAL	AVERAGE	TOTAL
PURCHASER OF ABOVE OIL					PURCHASER OF ABOVE BUTANE OR OTHER LIQUID PRODUCTS			

NUMBER OF OIL PRODUCING WELLS AFFECTING ROYALTY COMPUTATIONS _____

ROYALTY				
Product	Sales	Royalty Rate	Royalty Quantity	Royalty Value
OIL (Barrels)			*	
GAS (1,000 Cu. Ft.)			*	
GASOLINE (Gallons)			*	
BUTANE and Other Liquid Prod.			*	
TOTAL VALUE OF ROYALTY				

*Where applicable state "None"

ACKNOWLEDGMENT

I have read and examined the statements made hereon and find them true, accurate, and complete.

(Signature and title of officer authorized to sign for lessee)

[Signature]
 (Lessee or Operator)

The United States Criminal Code, 18 U. S. C. 1001, makes it a criminal offense to make a willfully false statement or representation to any Department or Agency of the United States as to any matter within its jurisdiction.

This form to be properly prepared and filed IN DUPLICATE with the supervisor. Sales may be itemized on any other convenient form and attached to this report.

UTAH
Oil & Gas Comm.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R356.5.

FIELD OFFICE SLC
LEASE NUMBER U-16964 B
UNIT _____

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Grand Field Unnamed--Cisco area

The following is a correct report of operations and production (including drilling and producing wells) for the month of Jan. Thru May, incl, 1974

Agent's address 68 So. Main Salt Lake City, Utah 84101 Company Adak Energy Corp.

Phone None--L. F. Wells 531-1900 Signed _____ Agent's title Geologist

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (in thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (if none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
17	21S	23E	Fed. #4	0	0		0	0	0	
Adak Well #4 still shut in to date in 1974										

Note—There were 0 runs or sales of oil; 0 M cu. ft. of gas sold;

0 runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.4

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION:
NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESRV. Other _____

2. NAME OF OPERATOR
ADAK ENERGY CORPORATION

3. ADDRESS OF OPERATOR
803 Phillips Petroleum Bldg. SLC, Utah

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 720' West of east line & 2125' South of N line
Sec. 17, T 21 S, R 23 E
At top prod. interval reported below

At total depth

14. PERMIT NO. 43-019-30120 DATE ISSUED 1-16-73

5. LEASE DESIGNATION AND SERIAL NO.

U 16964 B

6. IF INDIAN, ALLOTED OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
ADAK

9. WELL NO.

Fed. # 4

10. FIELD AND POOL, OR WILDCAT

Cisco

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

SE 1/4 NE 1/4 sec. 17
T 21 S, R 23 E

12. COUNTY OR PARISH Grand Utah

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD
Jan. 18, '73 Jan 20, '73 Jan. 21, 1973 4514' D.F. 4508'

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS
1150' -- -- -- Sur. 1150' --

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE
1049-1062, Buck Horn Sandstone No

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED
No logs run no

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
J55 9 5/8"	32#	.105'	12 1/4"	Halliburton w/40 sxs 4%	None
7"	23#	735"	8 3/4"	" 35" 2%	None

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	1120'	None

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

None	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Open end completion		No acid nor frac.

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
Jan. 22, 1973	Flowing gas	Shut in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
Jan. 22, 1973	18		→	0	997	0	Dry-no fluid

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
405#	405#	→		997 (See Gray letter)	--	---

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

35. LIST OF ATTACHMENTS To be sold R. Morris, Pease Dr. Co.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED [Signature] TITLE President DATE June 5, 1974

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.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Mancos	Surface	915'	Sh. Dk. Gr---Calc., Uniform
Dakota	915'	1049'	Dakota Siltstone, wh-lt, gr, silt & shale
Buck Horn	1049'	1110'	Sandstone, Med--cr, wh-gr--, porous flowed dry gas.
Morrison	1110'	1150'	TD Morrison, Dull, red-brn, shales and mudstones.

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH

1974
P. W.

7000 S 1214
PI

June 6, 1974

Mr. Gerald R. Daniels
Conservation Division
8416 Federal Building
Salt Lake City, Utah 84111

Re: Well Completion Report
U 16964-B Well No. 4
U 16965-A Well No. 5
February 23, 1973

Resubmittal:

Dear Mr. Daniels:

I am re-submitting completion reports on Adak Energy Corp. wells #4 and #5 and will attempt to provide additional background and data relative to the tests on these wells.

Adak well #4: Your record shows that the 7" casing was set at 735' with an open hole completion, which is correct. It was anticipated that the top of the Dakota sand would come in at 750' however it was not present but a Dakota silt was encountered at 915'. No Cedar Mountain was encountered. Gas was encountered in the Buck Horn Formation at 1049' and the top of the Morrison Formation at 1110'. All of the above were sample tops as we were unable to obtain logging services at the time this well was completed.

In answer to your letter of March 2, Neither the Dakota nor Morrison was productive. The corrected flow for the #4 well is 997 MCF on an 18 hour test. The calculated rate indicated before was an estimate of what we felt could be delivered in a 24 hour period.

Adak well #5: On the completion form 9-330, I have indicated the size and quantity of tubing run in part 30 of the report and corrected the flow to reflect recent tests including increase in pressure and flow rate. The open flow estimated at 750 MCF was correct, however after perforating and acidizing this well fell off to 35 MCF with 215# pressure. At present the well is carrying 390# pressure with a flow calculated at 550 MCF.

Please include these revisions in the files of the subject wells.

Sincerely yours,

ADAK ENERGY CORP.


Lewis F. Wells

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
OIL WELL GAS WELL OTHER *Re-entry* SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
ADAK ENERGY CORP

3. ADDRESS OF OPERATOR
P. O. Box 17076, Holladay, Utah 84117

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface *2125' FNL 720' FEL*
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
8 Miles to Cisco

16. NO. OF ACRES IN LEASE
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
see original file

19. PROPOSED DEPTH
see original 1500

20. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
See original file

22. APPROX. DATE WORK WILL START*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
6 1/2	4 1/2"		1500'	<i>As determined by Casing Log</i>

NO ADDITIONAL SURFACE USE PLANNED. PITS, RIGGING DEADMEN, ETC IN PLACE AT THE WELL SITE. THE PIT IS FENCED. THE DRILLING CONTRACTOR WILL UTILIZED STEEL TANKS FOR THE DRILLING FLUIDS.

The original well has 9 5/8" surface casing, with a string of 7" 23# casing set and cemented to a depth of 700 ft. The well presently has a total depth of 1150'. It is the intentions of the operator to drill the well an additional 300' to test the morrison salt wash ss, lg and then attempt completion with 1500 ft of 4 1/2" production casing. The original well was not logged. All production facilities, (Well meter house, production pipeline, etc) are all in place as per earlier approval by USGS, and BLM Agencies.

*MU & RURT - Circ & Kill well w/ Salt Base Polymer mud - Remove
tree - NU BOP - BEST - GIH w/ 6 1/4" Bit on DP OEO & Drill
to 1500' for Salt Wash Test*

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 vertical depths. Give blowout preventer program, if any.

24. SIGNED *[Signature]* TITLE PRESIDENT DATE *August 18, 1977*

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY *[Signature]* TITLE

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED
*See Instructions On Reverse Side

5. LEASE DESIGNATION AND SERIAL NO.
U-16964 - B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
ADAK

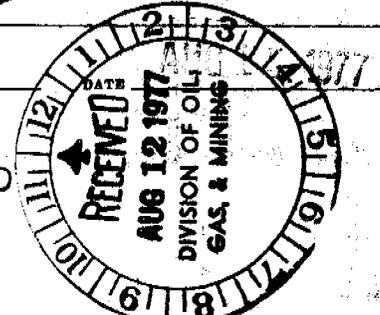
9. WELL NO.
ADAK FED #4

10. FIELD AND POOL, OR WILDCAT
UNDESIGNATED

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 17, T21S, R23E
SE 1/4 NE 1/4

12. COUNTY OR PARISH
Grand

13. STATE
Utah



OPR Xtra Copy

be filed starting with the month in which operations began unless otherwise approved in writing by the district engineer.

"Sundry Notices and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground will require the filing of a suitable plan and prior approval by the survey.

If the drilling operation results in a dry hole, form 9-331 is also to be filed at the time that all surface restoration work has been completed and the location is considered ready for inspection.

5. "Well Completion and Recompletion Report and Log" (form 9-330) will be submitted not later than 15 days after completion of the well or after completion of operations being performed, in accordance with 30 CFR 221.59. Two copies of all logs run, core descriptions, core analyses, well-test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 9-330. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by this office.

6. Other:

(a) Strict compliance with Surface Use Plan and Supplemental Stipulations;
(b) Strict compliance with the Well Control Program;
and (c) Compliance with NTL-2B - Section VII (Attached)

7. The U. S. Geological Survey district office address is:

8440 Federal Building, Salt Lake City, Utah 84138
Phone (801) 524-5650
Dist. Engr Edgar W. Guynn Home Phone (801) 582-7042
Asst. Engr Willis P. Martens Home Phone (801) 466-2780

8. The BLM contact man is: Rock Curmish, Moeb
Phone _____ (Home) _____ (Office)

9. Significant surface values (are)(are not) involved at this location. Accordingly, this office (must)(need not) be promptly notified as soon as field operations begin.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company _____ Location _____

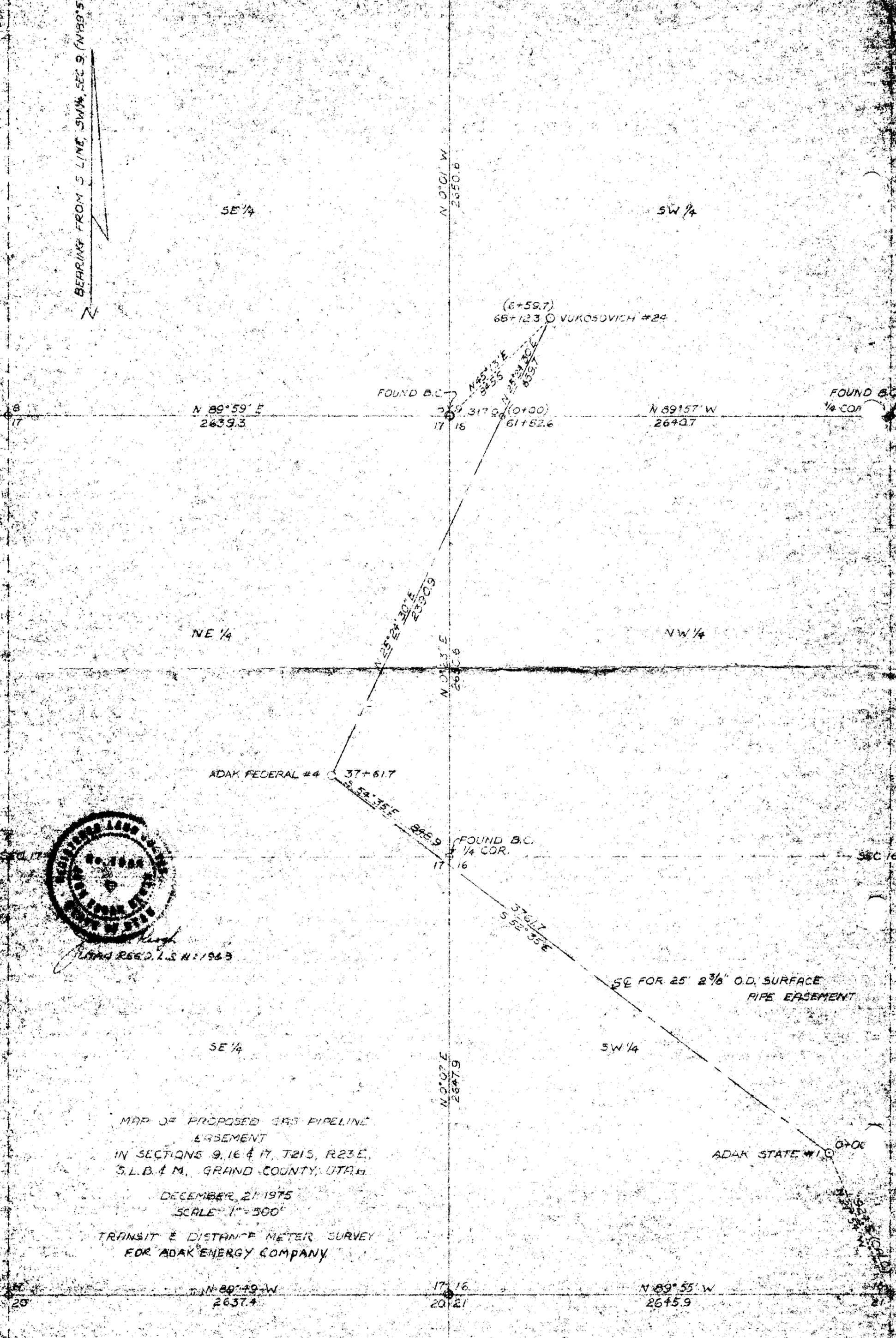
Well No. _____ Lease No. _____

A COPY OF THESE CONDITIONS SHOULD BE FURNISHED YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (30 CFR 221), and the approved plan of operations. The operator is considered fully responsible for the actions of his subcontractors. The following items are emphasized:

1. There shall be no material deviation from the proposed drilling and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 30 CFR 221.22. Any changes in operations must have prior approval of this office. Pressure tests are required before drilling out from under all casing strings set and cemented in place. Blowout preventer controls must be installed prior to drilling the surface casing plug and will remain in use until the final casing string is run. Preventers will be inspected and operated at least daily to insure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs. All BOP pressure tests must be recorded on the daily drilling report.
2. All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and furnished this office for analysis. All oil and gas shows will be adequately tested for commercial possibilities, reported, and protected.
3. No location will be made or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of this office. In the event abandonment of the hole is desired, a verbal request may be approved by this office but must be timely followed with a confirmation request in writing using the "Sundry Notice" (form 9-331). If a well is suspended or abandoned, all pits will be fenced until they are backfilled.
4. The spud date will be reported to the District Engineer within 48 hours and Form 9-329, "Monthly Report of Operations" will

BEARING FROM S LINE, SW 1/4, SEC 9, (N 89° 57' W)



UTAH REG. L.S. # 11963

MAP OF PROPOSED GAS PIPELINE EASEMENT IN SECTIONS 9, 16 & 17, T21S, R23E, S.L.B. 4 M, GRAND COUNTY, UTAH

DECEMBER 21, 1975
SCALE 1" = 500'

TRANSIT & DISTANCE METER SURVEY FOR ADAX ENERGY COMPANY

N 89° 49' W 2637.4

17 16 20 21

N 89° 55' W 2645.9

21

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-16964B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

ADAK ENERGY

9. WELL NO.

ADAK FED #4

10. FIELD AND POOL, OR WILDCAT

Cisco Utah

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

Sec 17, T21S, R23E

12. COUNTY OR PARISH

Grand

18. STATE

Utah

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. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
CCCo

3. ADDRESS OF OPERATOR
3964 South State, Salt Lake City, Utah 84107

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

720' West of the East Line, 2125 So of the North Line
Section 17, T21S, R23E

14. PERMIT NO.
43-019-30130

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4508 Gr

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETR

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDISE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

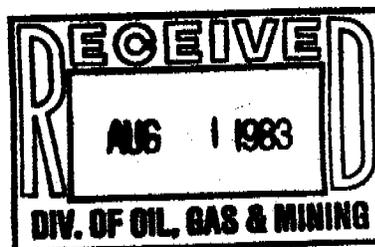
(Other)

(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 Operator placed 63 sks of cement into the Orifice of this well on 25 Aug 1983. The well had a total depth of 1150 ft, with a producing zone at 1049-1062. This well is cased with 4 1/2" casing to total depth and was cement back into the surface casing.

A copy of the cement purchase record is attached.



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

SIGNED

[Signature]

TITLE

Agent

DATE

8-31-83

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: