

FILE NOTATIONS

Entered in NID File _____
 Entered On S.R. Sheet _____
 Location Map Pinned _____
 Card Indexed _____
 I.W.R. for State or Fee Land _____

Checked by Chief PLD/KW
 Copy NID to Field Office _____
 Approval Letter _____
 Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 6-20-77
 OW WW _____ TA _____
 GW _____ OS _____ PA _____

Location Inspected _____
 Bond released _____
 State of Fee Land _____

LOGS FILED

Driller's Log _____
 Electric Logs (No.) _____

E _____ I _____ E-I _____ GR _____ GR-N _____ Micro _____

Lat. _____ Mi-L _____ Sonic _____ Others Neutron Formation Density

Gordon Engineering, Inc.

Consulting Engineers
Specialists in Oil & Gas

P. O. Box 3052
822 North Avenue
Grand Junction, Colo. 81501
(303) 245-1958



October 15, 1976

RE: Willard Pease Oil & Gas Co.,
Cowboy Federal Well No. 7
San Juan County Utah

Mr. Cleon B. Feight, Director
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

Dear Mr. Feight:

We are enclosing a copy of the Application for a Permit to Drill the above reference well, for your approval. After reviewing please advise if there are any additional needs.

Very truly yours,

A handwritten signature in cursive script that reads "John I. Gordon".

John I. Gordon

JIG/dll
Enclosure

cc: Willard H. Pease

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

5. Lease Designation and Serial No.

U-0145834

6. If Indian, Allottee or Tribe Name

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

7. Unit Agreement Name

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

8. Farm or Lease Name

Federal

2. Name of Operator

Willard Pease Oil & Gas Company

9. Well No.

7

3. Address of Operator

P.O. Box 3052, Grand Junction, Colorado 81501

10. Field and Pool, or Wildcat

Cowboy

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

At surface

660' FNL, 660' FWL, Sec. 23, T39S, R22E, San Juan County, Utah

At proposed prod. zone

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

Sec. 23, T39S, R22E,

SLB&M

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

Approximately 10 Miles NE of Bluff, Utah

12. County or Parrish

San Juan

13. State

Utah

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

660'

16. No. of acres in lease

800

17. No. of acres assigned to this well

80

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.

2380'

19. Proposed depth

5800'

20. Rotary or cable tools

Rotary

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

4769.2' G.L.

22. Approx. date work will start*

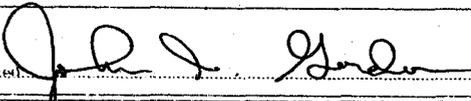
November 15, 1976

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#	250'	Cement to Surface with regular
7 7/8"	5 1/2"	15.5#	5800'	200 Sx 50-50 Pozmix

It is proposed to rig up and drill a 12 1/4" hole to about 250 feet and set 8 5/8" K-55 range 2 (30 ft. joints) surface casing. Nipple up and pressure test the BOP's and surface casing to about 500 psi. Drill out the shoe until the Ismay formation has penetrated. Should the well be productive, 5 1/2" K-55 range 2 (30 ft. joints) production casing will be run and cemented. It will then be perforated, tested, and stimulated, if necessary. If the well is non-productive, permission will be secured and the well plugged and abandoned. The potentially productive interval is the Lower Ismay Zone. Wellhead equipment will consist of 3000 psi working pressure series 900 flanged equipment. Blowout prevention equipment will be 10" series 900 flanged tandem stacked double ram hydraulic actuated type similar to a Shaffer complete with an accumulator and controls for off-the-floor operation: Blind rams, 4 1/2" pipe rams, and a positive and adjustable choke. Operation of the BOP equipment will be checked daily and the blind rams will be closed at every opportunity. Any spools will be 8" series 900 flanged and all flanges will be series 900. Water base chemical-gel drilling mud will be used. Safety equipment will consist of a float at the bit, a Kelly Cock and a full opening valve on the floor. No cores are anticipated, and

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.  Title Consulting Engineer Date 10-6-76

(This space for Federal or State office use)

Permit No. B 034 30325 Approval Date

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

the Lower Ismay Zone may be drill stem tested after reviewing the electrical logs. Any other potentially productive intervals may be tested also. Maximum expected pressures are 800-1000 psig, and will require no more than normal mud weights for positive control. Logging program will consist of a dual-induction laterolog and a FDC-CNL porosity log. Operations should be completed within 120 days after the date shown. Estimated geological markers are:

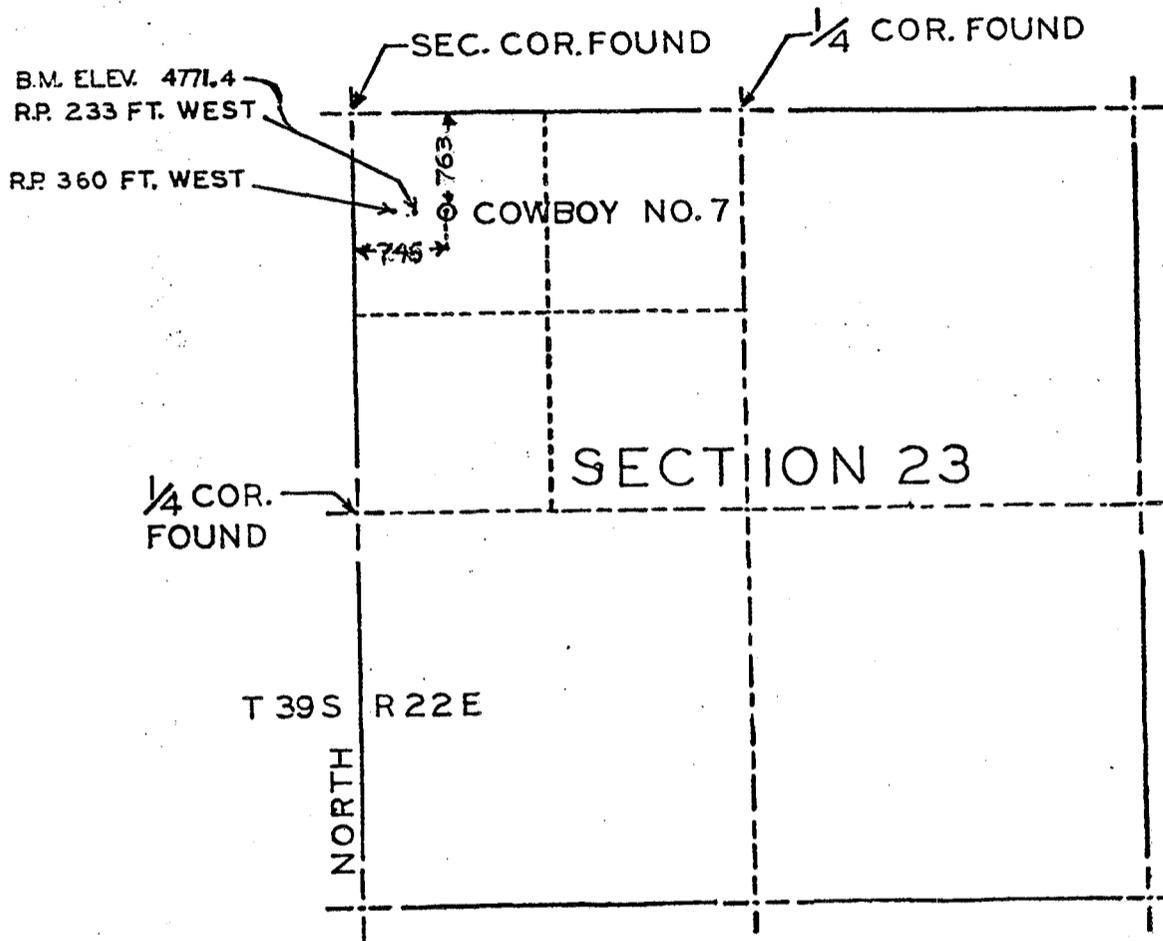
Morrison	Surface
Hermosa	4890'
Top Ismay Zone	5575'
Top Lower Ismay Zone	5675'
Top Producing Zone	5725'

WILLARD PEASE DRILLING CO.
P. O. Box 548
Grand Junction, Colorado 81501

Well Location - Cowboy No. 7

746 ft. from the West line and 763 ft. from the North line of
Section 23, T. 39 S., R. 22 E., S.L.M., in San Juan County, Utah.

Elevation at Well - 4769.2 feet
above mean sea level



I, Donald V. Blake, a registered Professional Land Surveyor licensed to practice in the State of Utah, do solemnly swear that the survey represented by this plat was performed by me on 7/6/72 and is true and correct to the best of my knowledge and belief.

Donald V. Blake
Utah License No. 2759

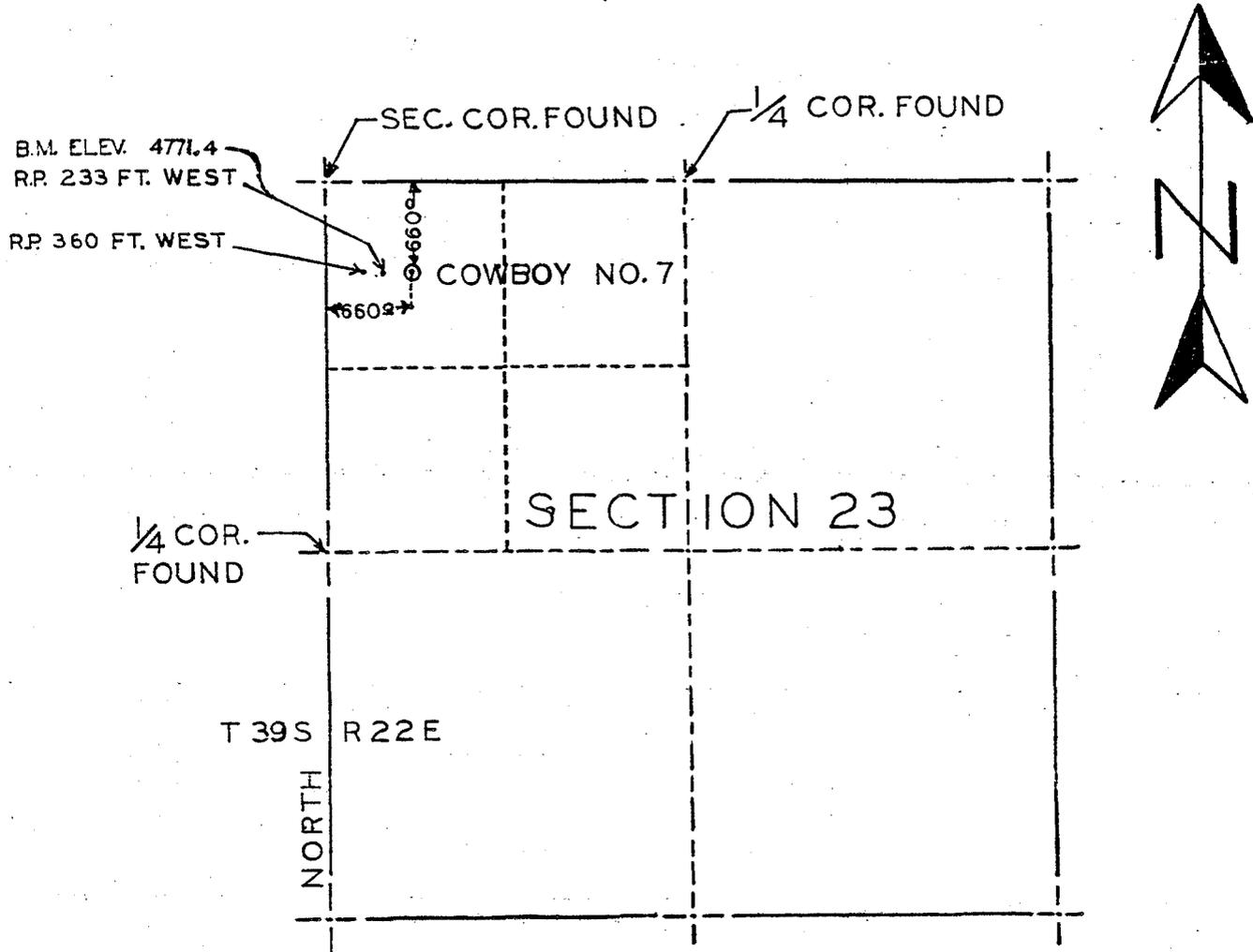


WILLARD PEASE DRILLING CO.
P. O. Box 548
Grand Junction, Colorado 81501

Well Location - Cowboy No. 7

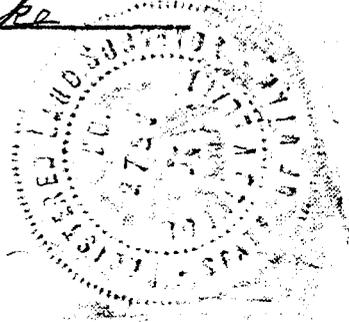
660.0 ft. from the West line and 660.0 ft. from the North line of
Section 23, T. 39 S., R. 22 E., S.L.M., in San Juan County, Utah.

Elevation at Well - 4769.2 feet
above mean sea level



I, Donald V. Blake, a registered Professional Land Surveyor licensed to practice in the State of Utah, do solemnly swear that the survey represented by this plat was performed by me on 7/6/72 and is true and correct to the best of my knowledge and belief.

Donald V. Blake
Utah License No. 2759



Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. 161997
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date	Time	a.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
6-8-77	12:00						On location.
	12:30						Picked up and made up the tools.
	2:00						Started in the hole.
	5:35						On bottom.
	5:40						Tool opened with a weak blow.
	5:55						Closed tool with a good blow.
	6:55						Opened tool with a strong blow.
	7:03						Opened choke to a 3/8"
	7:05						Gas to the surface - 23 PSI .
	7:15						Had 10 PSI.
	7:30						2 PSI - changed to 1/4" choke.
	7:50						1 PSI.
	8:00						6 ozs.
	8:30						Closed tool with 6 ozs. of pressure.
	11:30						Opened bypass.
	11:35						Started off bottom.
	2:15						Hit fluid - 600'.
							Reversed out.
	4:30						Out of the hole.
							Loaded tools.
	5:00						Left location...

Gauge No. 6040			Depth 5592'				Clock No. 14121			12 hour		Ticket No. 161997			
First Flow Period			First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.000	72	.000		233	.000	350	.000		297					
1	.0180	146	.0402		377	.1273	297*	.0945		428**					
2	.0360	176	.0804		511	.2279	295	.1756		529					
3	.0540	199	.1206		638	.3284	297	.2566		625					
4	.0720	218	.1608		759	.4289	298	.3376		717					
5	.0900	233	.2010		877	.5295	301	.4187		807					
6			.2412		991	.6300	297	.4997		895					
7			.2814		1097			.5807		980					
8			.3216		1198			.6618		1062					
9			.3618		1293			.7428		1140					
10			.4020		1384			.8238		1214					
11								.9049		1285					
12								.9859		1353					
13								1.0669		1418					
14								1.1480		1480					
15								1.2290		1538					

Gauge No. 6039			Depth 5806'				Clock No. 12118			hour 24		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
0	.000	197	.000		355	.000	330	.000		333		
1	.0098	249	.0202		499	.0637	310*	.0470		462**		
2	.0196	293	.0404		636	.1139	314	.0873		573		
3	.0294	315	.0606		768	.1642	318	.1276		672		
4	.0392	337	.0808		890	.2145	325	.1679		770		
5	.0490	355	.1010		1012	.2647	334	.2081		864		
6			.1212		1125	.3150	333	.2484		954		
7			.1414		1227			.2887		1045		
8			.1616		1327			.3290		1124		
9			.1818		1429			.3693		1204		
10			.2020		1511			.4096		1279		
11								.4498		1349		
12								.4901		1421		
13								.5304		1488		
14								.5707		1549		
15								.6110		1606		

Reading Interval 3 6 15 12 Minutes

REMARKS: * INTERVAL = 19 MINUTES. ** INTERVAL = 14 MINUTES.



	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	6"	2.50"	1'	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	5520'	
Drill Collars	6"	2.50"	60'	
Handling Sub & Choke Assembly				
Dual CIP Valve				
Dual CIP Sampler	5"	.89"	8'	
Hydro-Spring Tester	5"	.75"	5'	5587'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.50"	4'	5592'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1.00"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	6'	5609'
Distributor				
Packer Assembly	6 3/4"	1.53"	6'	5615'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars	6"	2.50"	170'	
Flush Joint Anchor	5 3/4"	2.50"	20'	
Blanked-Off B.T. Running Case	5 3/4"	3.50"	4'	5806'
Total Depth				5810'

DIVISION OF OIL, GAS, AND MINING

FILE NOTATIONS

Date: Oct. 18 -
 Operator: Willard Pease Oil & Gas
 Well No: Cowboy Fed. #17
 Location: Sec. 23 T. 39S R. 22E County: San Juan

File Prepared Entered on N.I.D.
 Card Indexed Completion Sheet

Checked By:

Administrative Assistant: [Signature]
 Remarks: No other wells in Dec.

Petroleum Engineer/Mined Land Coordinator: [Signature]
 Remarks:

Director: [Signature]
 Remarks:

Include Within Approval Letter:

Bond Required Survey Plat Required
 Order No. Blowout Prevention Equipment
 Rule C-3(c) Topographical exception/company owns or controls acreage within a 660' radius of proposed site
 O.K. Rule C-3 O.K. In _____ Unit
 Other:

Letter Written

October 19, 1976

Willard Pease Oil & Gas Company
P.O. Box 3052
Grand Junction, Colorado 81501

Re: Well No. Federal Cowboy #7
Sec. 23, T. 39 S, R. 22 E,
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the General Rules and Regulations and Rules of Practice and Procedure, Rule C-3.

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

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

The API number assigned to this well is 48-037-30325.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
DIRECTOR

CBF:sw

cc: U.S. Geological Survey

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-0145834

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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

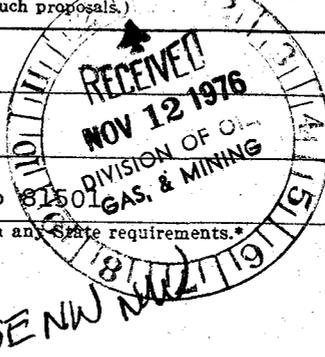
Willard Pease Oil & Gas Co.

3. ADDRESS OF OPERATOR

P.O. Box 3052, Grand Junction, Colorado 81501

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

~~763' ENL, 746' FWL, Sec. 23, T39S, R22E~~
San Juan County, ~~Utah~~



7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

7

10. FIELD AND POOL, OR WILDCAT

Cowboy

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

Sec. 23, T39S, R22E, SLB&M

14. PERMIT NO.

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

4769 G.L.

12. COUNTY OR PARISH

San Juan

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

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

Move Location

(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.)*

This location was moved to the above coordinates during the surface inspection. A corrected survey plat is attached.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: Nov. 12, 1976

BY: P. L. Ansell

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

SIGNED [Signature]

TITLE Consulting Engineer

DATE 11-9-76

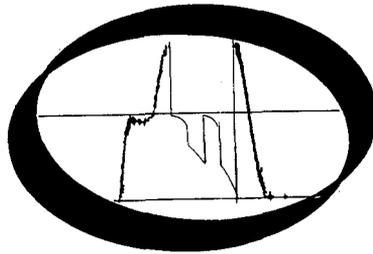
(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

HALLIBURTON SERVICES



8

Formation Testing Service Report

PRESSURE

TIME

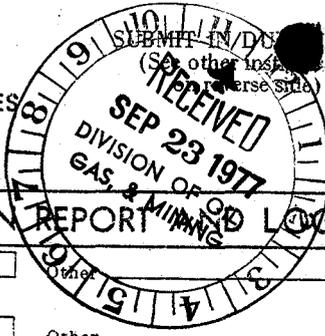
161997-6040

161997*6039

Each Horizontal Line Equal to 1000 p.s.i.

Utah State 5
4

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



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
Willard Pease Oil & Gas Co.

3. ADDRESS OF OPERATOR
570 Kennecott Bldg.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface NW.NW.SEC.23.T.39S,R.22E,S.L.M.
At top prod. interval reported below 763' from N-line & 746' from W-line
At total depth

5. LEASE DESIGNATION AND SERIAL NO.
U-0145834

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
Cowboy #7

10. FIELD AND POOL OR WILDCAT
Cowboy

11. SEC., T., R., M., OR BLOCK AND SUBVEY OR AREA
NW.NW.Sec.23-39S-22E
S.L.M.

14. PERMIT NO. DATE ISSUED
43-037-30325

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

15. DATE SPUDDED
May 17-77

16. DATE T.D. REACHED
Jun 7-77

17. DATE COMPL. (Ready to prod.)
Jun 20-77

18. ELEVATIONS (DF, RSB, RT, GR, ETC.)*
4769' grd; 4780' K.B.

19. ELEV. CASINGHEAD
4770'

20. TOTAL DEPTH, MD & TVD
5810'

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

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY
0-5810'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Hermosa (Isma Zone) 5608'-5800'

25. WAS DIRECTIONAL SURVEY MADE
no

26. TYPE ELECTRIC AND OTHER LOGS RUN
Dual-induction; gamma-density; compensated neutron porosity

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"	24.00	219'	12 1/4"	200 sks.	none
4 1/2"	10.50	5808'	7-7/8"	180 sks	none

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
none				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)
5609' to 5765' (20 shots within this interval)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5609'-5765'	9500 gal of 28% acid

33.* PRODUCTION

DATE FIRST PRODUCTION
Jun 18-77

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)
Pumping

WELL STATUS (Producing or shut-in)
Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
Jun 25	24	none		58	small amt	15	no

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
			30-50	15 MCF	15	38

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Used for pumping and heater-treater

TEST WITNESSED BY

35. LIST OF ATTACHMENTS
Drilling & Completion History & Geologic Report

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

SIGNED H. Nor Gungley TITLE Cons. Geol. DATE Sept. 22, 1977

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



DRILLING AND COMPLETION HISTORY

AND

GEOLOGIC REPORT

ON

WILLARD PEASE OIL & GAS CO.

COWBOY NO. 7 WELL

SAN JUAN COUNTY, UTAH

By

W. Don Quigley

Consulting Geologist
Salt Lake City, Utah

September 15, 1977

DATA SHEET
ON
WILLARD PEASE OIL & GAS CO.
COWBOY NO. 7 WELL
SAN JUAN COUNTY, UTAH

Operator: Willard Pease Oil & Gas Co.
570 Kennecott Bldg., Salt Lake City, Utah 84111

Drilling Contractor: Willard Pease Drilling Company
P.O. Box 548, Grand Junction, Colorado 81501

Location: NW. NW. Sec. 23, T 39S., R 22E., SLM., San Juan County,
Utah (763' from N-line and 746' from W-line).

Elevation: 4769' grd and 4780' K.B.

Spudded-in: May 17, 1977

Finished Drlg: June 7, 1977

Total Depth: 5800' (5810' - Schlumberger)

Surface Casing: 8-5/8", 24.00#, K-40 casing set at 219' and
cemented with 200 sks cement w/3% CaCl. Had returns
to surface.

Production Casing: 4½", 10.50#, NKK casing set at 5808' K.B.
and cemented with 180 sks of Thixotropic (Halliburton)
cement.

Production Formation and Zone: Hermosa (Ismay Zone) 5630'-5800'

Completed: June 20, 1977

Perforations: 5609' to 5765' (20 shots within this interval).

Initial Production Rate: Estimate 30 bbl. of oil/day.

DRILLING HISTORY
OF
COWBOY NO. 7 WELL

- May 14-15: Moving rig and rigging up.
- May 16: Finished rigging up. Drilled rat hole. Drilled mouse hole.
- May 17: Drilled 0' to 220' (220'). Drilled 12 $\frac{1}{4}$ " hole for surface casing down to 220'. Came out of hole and ran 6 jts of 8-5/8", 24.00#, K-40 casing and landed at 219' K.B. Cemented casing with 200 sks. of cement with 3% CaCl. Had returns to surface. Plug down at 11:30 P.M. Bit No. 1 (Smith-12 $\frac{1}{4}$ ") made 220' in 18 hrs. Drilled at avg. rate of 12 ft/hr. Survey at 200' was 1 $\frac{1}{2}$ °.
- May 18: Drilled 220' to 402' (182'). Waiting on cement to cure for 5 $\frac{1}{2}$ hrs and then began nipping-up to drill ahead with water for circulation. Began drilling ahead below bottom of surface casing at 7 P.M. with 7-7/8" bit.
- May 19: Drilled 402' to 1302' (900'). Made round trip at 1036' for new bit. Bit #2 (Smith-DTJ) made 816' (220'-1036') in 17-3/4 hrs. Drilled at an avg. rate of 46 ft/hr. Estimate top of Navajo sandstone at 680', due to marked increase in drilling rate.
- May 20: Drilled 1302' to 1756' (454'). Ran out of water at 10:00 A.M. and had to wait until 7 P.M. for water. Estimate top of Chinle formation at 1715' due to decrease in drilling rate.
- May 21: Drilled 1756' to 2173' (417'). Drilling in Chinle sediments at an avg. rate of about 16 ft/hr.
- May 22: Drilled 2173' to 2712' (539'). Drilling steady in Chinle, Shinarump, and Moenkopi formations at 16' to 30' per hr. Had increase in drlg. rate at 2444' which is probable top of Shinarump formation. Drilling rate decreased to 18'/hr. at 2500' which is probable top of the Moenkopi formation.
- May 23: Drilled 2712' to 3132' (420'). Drilling steady at about 18 ft/hr. in Moenkopi, De Chelly, and Organ Rock red beds. Mixed some gel and caustic in water.

- May 24: Drilled 3132' to 3330' (198'). Made trip out of hole at 3330' for new bit. Bit #3 (Smith-F3) made 2294' (1036' to 3330') in 110½ hrs. Drilled at an avg. rate of about 20 ft/hr. Mixed more gel and some Rayvan in mud.
- May 25: Drilled 3330' to 3449' (119'). Went back in hole with new bit. New bit drilling at avg. rate of about 12 ft/hr.
- May 26: Drilled 3449' to 3686' (237'). Drilling rate decreased to 10 ft/hr at 3460' to 3550' and then increased to 12 ft/hr again. Still drilling in red beds.
- May 27: Drilled 3686' to 3930' (244'). Drilling rate varies from 10 to 12 ft/hr. (Avg. is about 10 ft/hr.) Still in red beds.
- May 28: Drilled 3930' to 4199' (269'). Drilling rate is about 12 ft/hr. in red beds - no change.
- May 29: Drilled 4199' to 4253' (54'). Rotary table broke down and had to come out of hole at 4227' to make repairs on rig. Repaired rotary table, worked on rotary clutch, and installed new hydromatic chain. Took 18 hours for repairs.
- May 30: Drilled 4253' to 4462' (209'). Drilling at avg. rate of 9 ft/hr in red beds.
- May 31: Drilled 4462' to 4666' (204'). Drilling rate decreased to about 8 ft/hr. avg. Still in red beds.
- June 1: Drilled 4666' to 4798' (132'). Had marked drilling break at 4768'. (Increased from 6 ft/hr to 12 ft/hr.) This is probable top of Hermosa formation. Made rd-trip at 4784 feet for new bit. Bit #4 (Smith-F3) made 1454 feet (3330' to 4784') in 151 hrs. Drilled at an avg. rate of 9½ ft/hr.
- June 2: Drilled 4798' to 4980' (182'). Drilling at rate of 8 to 9 ft/hr. in Hermosa sediments.
- June 3: Drilled 4980' to 5164' (184'). Steady drilling at 8 to 9 ft/hr. in limestones, siltstones, and shales of Hermosa formation. Started sample log at 5050'.
- June 4: Drilled 5164' to 5321' (157'). Drilling at rate of 7 ft/hr. No hydrocarbon shows in samples.

June 5: Drilled 5321' to 5498' (177'). Steady drilling at about 7 ft/hr. in lms., siltstones, and shales of Hermosa.

June 6: Drilled 5498' to 5673' (175'). Had steady drilling at about 7 ft/hr. down to 5620' where the rate increased to 10 ft/hr. This is the probable top of the Ismay limestone zone. Hydrocarbon shows, fluorescence, black oil stain, and cut began showing in samples at 5650'. Had fracturing and minute vugs with oil stain. Lost some mud in fractures.

June 7: Drilled 5673' to 5800' (127'). Got to total depth at 1:30 P.M. Had continuous shows to 5780'. Mostly all limestone with fractures and minute vugs with oil stain, fluor. and cut. Started logging at 6:30 P.M. Ran Dual-Induction log from T.D. to bottom of surface casing and Gamma-Density and Neutron Compensated Porosity log from T.D. to 4800'. Finished logging at 11:00 P.M. Waiting on tester (Halliburton) to run DST on bottom portion of hole. Bit #5 (Smith-F3) made 1016 ft. (4784' to 5800') in 132½ hrs. Drilled at avg. rate of approx. 8 ft. per hr.

June 8: Picked up test tools and went in hole to run D.S.T. #1:

Interval: 5615' to 5810' (195')

Init. open: 15 minutes

Init. shut-in: 60 minutes

Final flow: 90 minutes

Final shut-in: 3 hours

Rec.: 600' of highly oil and gas cut mud (30 ft. of free oil on bottom).

Blow: Weak initially, increasing to fair (12" in water in 7 min.) increasing to strong. Gas to surface in 10 min. on final open. Init. flow rate was 120 MCF/D decreasing to 20 MCF/D by end of test.

Sampler: 600# pressure, 4 cu. ft. of gas, and 900 cc. of oil.

Pressures:	I.H. = 3071#	F.H. = 2989#
	I.F. = 190#-340#	F.F. = 285#-340#
	I.S.I. = 1493# +	F.S.I = 1615# +
	B.H.T. = 130°	

Came out of hole with test tools, and loaded tools on truck. Finished the test at 4:00 P.M. Went in hole with drill pipe and came out laying pipe down.

June 9: Finished laying down drill pipe and drill collars. Casing arrived at 4:00 A.M. Removed BOP's and installed casing head. Began running casing (4½" O.D., 10.50#, NKK) at 8:00 P.M. Guide shoe and float collar were installed on the bottom with 6 centralizers installed on every other collar for first 12 joints. Ran 152 joints of 4½" casing and landed shoe at 5808'. Cemented casing with 180 sks of Thixotropic cement. Plug down at noon. Waiting on cement to cure.

June 10: Set casing slips and cut off casing at 8 A.M. Began rigging down. Released rig.

Completion work will begin next week, if a work-over rig can be obtained.

COMPLETION WORK
ON
WILLARD PEASE OIL & GAS CO.
COWBOY NO. 7 WELL

June 15: Moved in R&R Well Service rig and rigged up. Dug deadman anchor holes and set same. Rigged-up well head and installed BOP's on top of well head. Rigged up Welex to run bond and correlation log. Welex had trouble with their Onan power generator. Finally got log out at 9:30 P.M. Sent crew home at 6:30 P.M. Tubing arrived at location at 9 P.M. Unloaded tubing. Moved frac.-tank to location.

June 16:

0730: Crew arrived.

0800: Welex arrived.

0800-1000: Perforated well at following points with one shot each: 5765'; 5761'; 5746'; 5744'; 5740'; 5736'; 5732'; 5727'; 5692'; 5686'; 5683'; 5659'; 5655'; 5651'; 5647'; 5643'; 5639'; 5635'; 5611'; and 5609'; (20 holes).

1000: Removed BOP's and went in hole with tubing (2-3/8"). One jt on bottom - then tubing anchor with seating nipple on top of anchor.

1445: On bottom with tubing. Bottom of tubing at 5700' K.B. Seating nipple at 5664'. (Had R&R truck come move frac. tank.)

1445-1515: Rigged up to swab.

1515-1900: Swabbing out water from casing. Swabbed out 70 bbls. water. Tank gauge 1'7½" (3.57 bbl/in.)

1900: Sent crew home.

June 17:

0800: Crew arrived. Halliburton on location with trucks, acid tank, and crew. Well had 80# pressure on tubing.

0800-0915: Swabbed well down to bottom. Gas getting stronger, and about 5% oil on last swabs.

0915-0945: Waiting on fill-up.

0945-1330: Pulled swab every $\frac{1}{2}$ hour. Some water was held up in casing by gas pressure and finally broke around. Swabbed down to about 300' of fluid each swab. Last swabs 10% oil. Gas flowing continuously out casing and tubing.

1330-1445: Pulled 4 jts of tubing and set tubing anchor. Bottom of tubing now at 5580' K.B. Seating nipple at 5544'.

1445: Began acidizing (9,500 gal of 28% acid with inhibitors and retarders). Formation broke down at 3500# pressure. After break down acid pumped in at 3000# p.s.i. at 4.2 bbl/min. rate. Dropped 10 balls at 4000 gal. and when they hit perms. at 6200 gal. pressure went up to 3600# p.s.i. and rate dropped to 1 bbl/min. Dropped 3 more balls at 5000 gal; 3 more at 6000 gal; 3 more at 7000 gal; 3 more at 8000 gal; and 3 more at 9000 gal. These stages pumped in at $\frac{1}{2}$ to 3.2 bbl/min. rate and keeping the pressure at 3500# p.s.i. Flushed with 22 bbl water down tubing and 58 bbl down casing side. Overflushed by 5 bbl. (85 bbl. total). Instant shut-in pressure was 3200#. 15 minutes shut-in was 3100 #. Finished acid job at 7 P.M.

1900: Rigged Halliburton down. Sent crew home. Left well shut-in for 2 hrs. Opened well at 2100 hrs. (Tank gauge 6"). Let well flow back overnight. Casing pressure was 80# at start of flow-back.

June 18:

0700: Well is dead. Casing pressure is zero. Well flowed back 50 bbls water overnight. Tank gauge is 1'8".

0800: Crew arrived. Put 2 more jts of tubing in. Bottom of tubing now at 5640' and seating nipple at 5604'.

0900: Began swabbing. First swab about 25% oil. After second swab well kicked off and began flowing. Lots of gas and about 30% oil in fluid.

1040: Tank gauge 2'7". Have recovered 40 more bbl. fluid since 8 A.M. (90 bbl. total). Well flowing at rate of 14 bbl/hr.

1140: Tank gauge 2'11". (Tank volume is 4 bbl per in. from 3 ft. and above.)

1150: Well died - began swabbing again. Swabbed and flowed intermittently.

1150-1800: Swabbing and flowing intermittently. Oil content varied from 25-50%. Tank gauge at 1800 was 4'7" (206 bbl total returned to date).

1800: Shut well in and sent crew home.

June 19: Sunday - didn't work.

June 20:

0800: Crew arrived. Checked pressure. Casing pressure was 1400# p.s.i.; Tubing pressure was 1350#. Open well at 0815. Flowed gas - then fluid. Tank gauge at 0915 was 5'3" (Flowed 32 bbl fluid in 1 hr). Flow pressure varied from 175# to 575#. Casing pressure dropped to 900#.

1015: Tank gauge 5'5". (Flowed another 2 bbls fluid - about 25-30% oil.) Flow pressure 100# - Casing pressure 700#.

1115: Tank gauge 5'7". Well quit flowing. Well flowed 48 bbl in 3 hrs. Total fluid to date is 254 bbl. Rigged up to run rods.

1230: Started running pump and rods. Pump is 1 $\frac{1}{4}$ ". Ran 20 - 3/4" rods on pump; then 64 - 5/8" rods; then 94 - 3/4" rods; then 44 - 7/8" rods; then 1 - 7/8" X 8' pony rod; then 1 - 7/8" X 6' pony rod; and 1 - 7/8" X 2' pony rod, plus polish rod and liner. Set and spaced out pump. Finished at 1630 hrs. Rigged down. Released rig at 1800 hrs. Drained water from tank. Had 1'8" oil left (about 55 bbls.).

Estimate well will pump in excess of 30 bbls. of oil per day plus unknown amount of gas.

GEOLOGIC REPORT
ON
COWBOY NO. 7 WELL

Introduction

The Cowboy No. 7 well was designed and drilled to extend the productive area of the Cowboy Field which is producing from the Ismay member of the Hermosa formation at depths of 5700' to 5800'. The well is located on the southeast side of the Cowboy Field and structure.

The Cowboy Field was originally discovered by Mountain Fuel Supply Company in 1968. The structure was located by seismic data and the structural closure encompasses an area of approximately 2000 acres, including all of Section 14, and part of Sections 15, 22, and 23. Geologically, the structure is due to a limestone build-up in the Ismay zone of the Hermosa formation of Pennsylvanian Age. The reservoir is a fractured, sucrosic to vugular limestone with porosity varying from 4% to 12% and permeability varying from 1 to 40 millidarcys. The production zone in the wells varies in thickness from 35 to 150 feet. The thickness of the pay section appears to increase from north to south.

As of June, 1977, the field has produced 109,953 barrels of oil from three wells: Cowboy #1; Cowboy #4; and Cowboy #5.

The Cowboy #7 well, which is located in the NW. NW. of Sec. 23, has the thickest pay section (approx. 150 ft.) and is the southernmost well and is one of the highest wells structurally in the field; but the average porosity and permeability is less than that in the Cowboy #5 well which is the northernmost well and which is structurally lower than the #7 well. The average porosity in the Cowboy #7 well is about 3½% but it is supplemented by fracturing which could increase the average porosity to 5%, over a 150 ft. thick pay section. The average porosity in the Cowboy #5 well is about 5% over a pay section which is 55 feet thick. Again fracturing could increase this average porosity to 7%.

Drilling and Completion Histories

No difficulty was encountered in drilling the subject well. The well was drilled using water and mud for circulation. Much of the well drilled at an average rate of 8 to 9 feet per hour. It took 21 days to drill the well to a depth of 5810 feet. One drill-stem-test was taken at 5615 ft. to 5810 ft. (195'); and gas

was obtained at the surface with a gauged flow rate of 120 to 20 MCFPD. and about 600 ft. of highly gas and oil cut mud were recovered on the test. About 30 ft. of free oil were found in the drill collars. Final shut-in pressure on the test was 1615# in 3 hrs, and was continuing to build; indicating fluid damage and low porosity.

Electric logs (dual-induction log, gamma-density log, and compensated-neutron porosity log) were run prior to the drill-stem-test. After logging and testing, 4½" casing (10.50#) was run to a depth of 5808' and cemented with 180 sacks of thixotropic cement. Completion work was begun five days later.

The completion work on the Cowboy #7 well was completed in five days. A correlation-bond log was run from 5777' to 5200'. This log showed excellent bond over most of the logged interval. The well was then perforated from 5609' to 5765' at specific points with one shot for a total of twenty holes. After swabbing well nearly dry, recovery was about 2 bbls of fluid per hour (10% oil) with a continuous flow of gas. The well was then acidized with 9500 gallon of 28% acid with inhibitors and retarders. The acid pumped in at a pressure of 3500# p.s.i. at rates of ½ to 4 bbl per minute. Ball sealers were dropped at intervals thru-out the treatment. After flushing, the well was shut-in for 2 hours and then flowed back. It flowed back 50 bbls of acid water in the first 12 hrs, and then another 150 bbls flowed and were swabbed back in the next 8 hours. Gas and oil were continuously present in the fluids.

After 24 hours shut-in time, the pressure on the casing was 1400# and 1350# on the tubing. When opened the well flowed another 48 bbls of fluid in 3 hrs (10% to 30% oil). The well was then made ready to pump. Rods and pump were run and the well head and valves were installed ready for the pump jack. It is roughly estimated that the well should produce at a rate of about 30 bbls of oil per day initially.

Stratigraphic Data

The subject well was spudded in the Moab Tongue of the Entrada formation (the top portion of the Entrada formation), and bottomed in the upper third of the Hermosa formation. The upper portion of the hole, from surface to a depth of 1743', was mostly sandstone and included the Entrada, Navajo, and Wingate formations. The Chinle formation was about 700 feet thick (1743' to 2435') and consisted of shales, siltstones, and a few thin, hard, and tight sandstone beds.

The stratigraphic section in the subject well was quite normal and produced no surprises. The formations with their tops, thicknesses, and datum points which were encountered in the subject well, as picked from the electric logs, are as follows:

<u>Formation</u>	<u>Depth to Top</u>	<u>Thickness</u>	<u>Datum</u>
Entrada (Moab Tongue)	Surface	200'?	4780'
Entrada	200'?	360'	4580'
Carmel	560'	115'	4220'
Navajo	675'	585'	4105'
Kayenta	1260'	55'	3520'
Wingate	1315'	428'	3465'
Chinle	1743'	688'	3037'
Shinarump	2435'	75'	2345'
Moenkopi	2510'	300'	2270'
De Chelly	2810'	115'	1970'
Organ Rock	2925'	725'	855'
Cutter	3650'	1125'	1230'
Hermosa	4775'	833'	5'
(Ismay)	5608'	192'	-828'
Total Depth	5810'		

When comparing the above data with similar data on the other wells in the field, it is found that the subject well is about 11 to 26 feet higher structurally on the top of the Ismay zone than the other wells, except the Cowboy #4 well which is about 11 feet higher than the subject well. The #4 well is the closest well and is about $\frac{1}{4}$ mile to the northeast of the subject well.

A sample log of the cuttings from 5000' to total depth is attached hereto.

Hydrocarbon Shows and Zones

During the drilling of the subject well the only hydrocarbon shows and zone encountered were at the bottom of the hole and in the Ismay zone, from 5650' to 5780'. Black oil stain on fractures in limestone with some fluorescence was observed in the cuttings at 5650'. Good oil saturation in vugs, with good fluorescence, odor, and cut were found at 5660'-70'. The shows were more or less continuous down to 5780'. Good obvious porosity was obscure; but minute hairline fractures could be seen in the samples and some vugs were definitely present. Some saturated chalky limestone fragments were also present.

The later logs indicated a possible pay section, about 190 feet thick, from 5610' to 5800'; with porosity varying from 0 to 6%. Calculations from the log data suggested water saturations of 17 to 55%.

Reservoir Characteristics and Reserves

As noted above, the reservoir rock in the Cowboy field is fractured, sucrosic to vugular limestone which has variable porosity and permeability, typical of carbonate reservoirs. The thickness varies, but appears to increase from north to south (from 35 feet to 150 feet). There is also a silty to sandy shale section at the top of the limestone which is saturated with hydrocarbons. This zone, about 6 to 8 feet thick, appears to have about 8 to 10% porosity according to the logs. The limestone porosity averages about 4%.

It is quite probable that each well in the field will not drain an area of more than 40 acres. Porosity and permeability would not be continuous over a greater area but the fracturing could communicate over larger areas. The reservoir is of the Dissolved Gas Drive, Gas Cap Drive, and Water Drive type. Thus as production proceeds, there is some gas expansion plus water invasion; but this process is not complete and some by-passing and isolation of patches of hydrocarbons is going to occur. Roughly it is estimated that in limestone reservoirs of this type, primary recovery may be limited to about 15%.

Connate and free water saturation of the reservoir is calculated from the logs as varying between 33 and 55%. An average water saturation would be 45%.

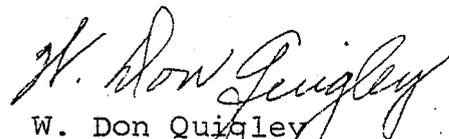
Based on the above data, the oil in place in the Cowboy #7 well area would be approximately 254 bbl/acre ft. Assuming an initial formation volume factor of the reservoir oil of 1.25 and without figuring the reservoir gas and gas expansion, the stock tank oil in place would be about 200 bbl/acre ft. This would amount to a total of 400,000 bbls. of oil in place under the 40 acres around the Cowboy #7 well. Assuming a primary recovery factor of 15%, the recoverable reserves could be about 60,000 bbls. of oil. If a production rate of 30 bbls. of oil per day could be maintained for the first year, 20 bbls. a day for the second year, 15 bbls. a day for the third year, and 10 bbls. per day for the next four years, and 5 bbls. per day for the next three years thereafter, then 75% of the primary recoverable oil would be produced within ten years.

Conclusion and Recommendation

The data and results of the Cowboy #7 well indicate that the field could be larger than originally determined. The #7 well was higher structurally and had a thicker pay section than most of the previous wells. However, the average porosity was very low. This may be enhanced somewhat by fracturing but the extent is unknown.

The initial production rate was disappointing and may have been partly due to insufficient perforations and too strong acid. Perforating with at least two shots per foot over a continuous interval could intersect more fractures and thus open up a larger portion of the pay section. A less concentrated acid (20% or less) with less retardation could produce less sludge, less barrier effect due to enlarged clay particles and ionization differences; as well as having a shorter reaction time. Literature on the acidizing art tends to disagree with this and recommend the higher concentrations of acid; but acid treatments act differently on different formations and differently on the same formation in different areas. Consequently, it is always wise to proceed cautiously and slowly with smaller quantities until the method is proven within a given area for a given formation. The Ismay is chalky and contains argillaceous material which can give erratic results.

It is quite evident that the Ismay zone in the Cowboy area is variable in thickness and porosity; and there will be marked differences in the productivity of wells on adjacent locations. The apparent complete saturation over the area, however, does suggest that considerable more production can be obtained. Additional lands and interest should be acquired in the area and development should proceed on a 40-acre spacing pattern.



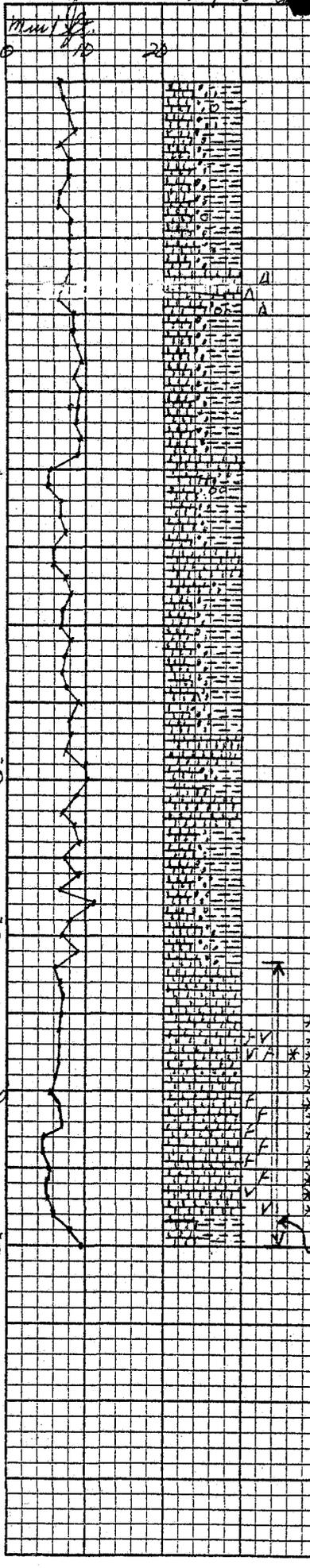
W. Don Quigley
Consulting Geologist
A.A.P.G. Cert. #1296
A.P.G.S. Cert. #3038

Railroad Line

Willard Pease Hill & Gas Co.

5000' to 5800'

5000
5100
5200
5300
5400
5500
5600
5700
5800
5900
6000



5000' **Barren # 7 - NW. NW. 23 39S 22E**
ELEV. 11780' K.B.
 Choc. bon calc. silt & blk calc silt sh.
 Rd calc. silt w/ some blk. imp. - dk gray calc silt sh.
 Vanic. calc. silt & sh.
 + bon xln dms
 Rd & gny calc. silt & bon xln dms w/ frac. calc. xls.
 As above + gny calc. silt
 DR. rd. mica. calc. silt + pin. & gny (cong.) silt.
 + IT gny to IT. bon xln dms.
 Rd. gny blk. & bon calc. silt
 Lt. bon to gny xln dms. + ch. imp. sh.
 + rd. & blk. calc. silt & pec. of cong.
 Rd. bon, blk. & gny. calc. silt. (mica.)
 Lt. gny to IT. bon xln dms
 Lt. gny. xln dms. rd. bon. pin. silt & blk. mica sh. + frac. calc.
 As above + some gny sh. & heavy cong. sh.
 Lt. gny to bon xln dms. rd. gny. dk gny silt. & sh. (mica.)
 + dk bon silt.
 Lt. gny to dk bon xln dms.
 Vanic. mica. calc. silt & sh. + rd. pin. blk. mica silt. & sh.
 + lt. gny & bon xln to cherty dms.
 Rd. gny. bon. blk. mica. calc. silt.
 Lt. bon to dk. gny xln dms. & vanic. mica silt.
 Lt. to dk. bon xln dms.
 + dk. gny mica sh. & silt.
 Dk. bon xln dms. & dk. gny calc. sh.
 Lt. gny to IT. bon xln dms.
 + Vanic. silt.
 Vanic. calc. mica. silt & sh. + some IT. bon xln dms.
 Rd. gny. gny. & dk. calc. silt.
 + some IT. bon xln dms.
 Some dk. bon silt. & vanic. calc. silt.
 Vanic. calc. silt. & some bon xln to sugary dms.
 Bon xln dms.
 Lt. bon to IT. gny. xln to sugary dms.
 * Fractured to silty bon xln dms w/ calc. silt - fine - good cut.
 * Vuggy & fine. bon to bon xln to cherty dms w/ good silt, flux & cut, bon.
 * Bon xln dms w/ some ch. silt & streaks of blk. sil. - silt. flux
 * Lt. gny to IT. bon frac. xln to cherty dms w/ an frac. - flux & cut.
 * Lt. gny xln to cherty dms w/ scat. rd. sat. on frac. & flux & cut.
 * Lt. gny cherty - vuggy dms. w/ good flux. scat. rd. silt + sil. cut.
 * Blk. cong. calc. sh.
 D.S.T. #1: Rec. bon high. cut. mix. Gas to 300 in 10 min. (10 min. F)
 N.D. 1310: SIP = 1615

KE
 5 X 5 TO 1/2 INCH
 7 X 10 INCHES
 MADE IN U.S.A.
 KEUFFEL & ESSER CO.



P. O. Box 1809
Durango, Colorado 81301

November 29, 1977

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Willard Pease Oil and Gas Company
570 Kennecott Building
Salt Lake City, Utah 84133

CIRCULATE 100
RECEIVED
NOV 29 1977
SALT LAKE CITY, UTAH
Kathy W. / well file

Gentlemen:

On November 21, 1977, representatives of the U. S. Geological Survey and the Bureau of Land Management inspected Federal oil and gas lease U 0145834, sections 14 and 23, T. 39 S., R. 22 E., Salt Lake Meridan, San Juan County, Utah.

This office has previously corresponded and talked by telephone with your office about pollution and other maintenance problems on this lease; most recently concerning Well No. 7 Cowboy, located NW $\frac{1}{4}$ NW $\frac{1}{4}$ section 23. On October 18, 1977, we wrote that the produced water pit was built in a natural drainage and that the pit had overflowed and puddles of oil and salt water were 200 feet down the drainage. We stated that the puddles in the drainage must be cleaned up and oil stained sand removed, and that the pit must be emptied and backfilled. After another inspection, your office was telephoned on November 9, 1977, and these problems were discussed. The inspection November 21, 1977 found the discrepancies the same except that two rainstorms had washed the oil and salt water pollution into Recapture Creek, a major drainage of the San Juan River, causing irreparable damage in the drainage system. Had the oil and salt water reached the San Juan River, a major pollution incident would have occurred, involving not only you and the U.S.G.S., but other environmental agencies of the state and Federal governments. Additionally, the fence around the trash pit is not adequate and trash has blown around and off the location. This trash should be picked up around the location and the trash pit should be backfilled, restored, and re-seeded. The reserve pit has dried and should be back-filled, restored, and re-seeded. It is suggested that you consider using the west half of the reserve pit for water disposal purposes. The east half will still need backfilling and restoration.

Because of your lack of concern for prudent operations, you are ordered to shut-in immediately Well No. 7 Cowboy until these discrepancies are corrected and until an acceptable method for water disposal per NTL 2-B is implemented. Also, submit three copies of a pollution report for Well No. 7, as outlined in NTL-3.

Also, at the inspection November 21, 1977, discrepancies were noted at the three wells in section 14. At Well No. 1, NW $\frac{1}{2}$ SW $\frac{1}{2}$, the belts half buried in the sand between the treater and the pits should be picked up and properly discarded. At Well No. 5, SE $\frac{1}{2}$ NW $\frac{1}{2}$, the wellhead should be cleaned, the area around the wellhead should be cleaned, and the stuffing box should be packed and periodically re-packed to prevent pollution. Pick up the counterweights at the edge of the location and properly warehouse them.

At Well No. 4, SE $\frac{1}{2}$ SW $\frac{1}{2}$, the reserve pit needs to be backfilled, restored, and reseeded. Junk iron, steps and catwalk from the burned tanks, and other trash should be picked up and properly discarded. Unless you plan to return Well No. 4 to production or service, the flow line to the tank battery should be taken up, four copies of form 9-331, Notice of Intent to Abandon, should be filed with this office, the well should be plugged, and the location satisfactorily rehabilitated.

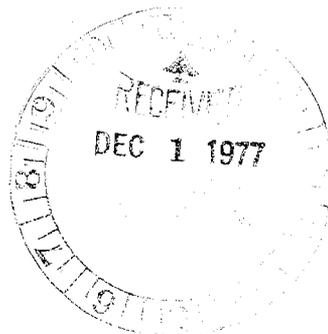
The U. S. Geological Survey will periodically inspect Federal lease U-0145834 to see that Well No. 7 Cowboy remains shut-in until the discrepancies for it and for the other wells are corrected. If you are found in violation of this shut-in order, other penalties will be considered.

Sincerely yours,

(Orig. Sgd.) J. W. LONG

Jerry W. Long
District Engineer

→ cc: Department of Natural Resources
Division of Oil and Gas Conservation
Salt Lake City, Utah
BLM, Monticello, Utah
U.S.G.S. Albuquerque, NM



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

6. Lease Designation and Serial Number U-0145834
7. Indian Allottee or Tribe Name
8. Unit or Communitization Agreement
9. Well Name and Number Cowboy #7
10. API Well Number 43-037-30325 POW
11. Field and Pool, or Wildcat Cowboy

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT for such proposals

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)
2. Name of Operator WILLARD PEASE OIL AND GAS COMPANY
3. Address of Operator P.O. Box 1874, Grand Junction, Co. 81502
4. Telephone Number 303-245-5917
5. Location of Well Footage : 763' FNL and 746' FWL County : San Juan QQ, Sec. T., R., M. : Sec. 23, T39S., R22E NWNW State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Conversion to Injection	<input checked="" type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Other _____	

Approximate Date Work Will Start January 2, 1991

SUBSEQUENT REPORT
(Submit Original Form Only)

<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Other _____	

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

- Plan to clean out well, reperforate in same zone, acid treat and put on production.
- May require small pit which will be dug on existing location and reclaimed immediately after job is finished.

RECEIVED
JAN 03 1991
DIVISION OF
OIL, GAS & MINING

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

DATE: 1-7-91
[Signature]

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

Name & Signature <i>[Signature]</i> Willard Pease, Jr.	Title President	Date 12-31-90
---	--------------------	------------------

(State Use Only)

**ANNUAL STATUS REPORT
STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING**

6. Lease Designation and Serial Number U-145834
7. Indian Allottee or Tribe Name
8. Unit or Communitization Agreement
9. Well Name and Number Cowboy 7
10. API Well Number 42-037-30325
11. Field and Pool, or Wildcat Cowboy
County : San Juan, UT State : UTAH

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)	
2. Name of Operator Willard Pease Oil and Gas Co.	
3. Address of Operator P.O. Box 1874, Grand Junction, CO 81502	4. Telephone Number 303-245-5917
5. Location of Well Footage : 763' FNL, 746' FWL QQ, Sec. T., R., M. : T39S, R22E, Sec. 23: NWNW, SLB&M	

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Other _____	

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Other _____	

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
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Annual Status Report of shut-in, temporarily abandoned, and suspended drilling wells.

Waiting for workover.

RECEIVED

JAN 22 1992

**DIVISION OF
OIL GAS & MINING**

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

Name & Signature Willard Pease Title President Date 1-15-92
(State Use Only)

**ANNUAL STATUS REPORT
STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING**

Form 9

6. Lease Designation and Serial Number U-145834
7. Indian Allottee or Tribe Name
8. Unit or Communitization Agreement
9. Well Name and Number Cowboy 7
10. API Well Number 43-037-30325
11. Field and Pool, or Wildcat Cowboy

SUNDRY NOTICES AND REPORTS ON WELLS
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Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)	
2. Name of Operator Willard Pease Oil and Gas Co.	
3. Address of Operator P.O. Box 1874, Grand Junction, CO 81502	4. Telephone Number 303-245-5917
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12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																											
<p align="center">NOTICE OF INTENT (Submit in Duplicate)</p> <table> <tr><td><input type="checkbox"/> Abandonment</td><td><input type="checkbox"/> New Construction</td></tr> <tr><td><input type="checkbox"/> Casing Repair</td><td><input type="checkbox"/> Pull or Alter Casing</td></tr> <tr><td><input type="checkbox"/> Change of Plans</td><td><input type="checkbox"/> Recompletion</td></tr> <tr><td><input type="checkbox"/> Conversion to Injection</td><td><input type="checkbox"/> Shoot or Acidize</td></tr> <tr><td><input type="checkbox"/> Fracture Treat</td><td><input type="checkbox"/> Vent or Flare</td></tr> <tr><td><input type="checkbox"/> Multiple Completion</td><td><input type="checkbox"/> Water Shut-Off</td></tr> <tr><td><input type="checkbox"/> Other _____</td><td></td></tr> </table> <p>Approximate Date Work Will Start _____</p>	<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____		<p align="center">SUBSEQUENT REPORT (Submit Original Form Only)</p> <table> <tr><td><input type="checkbox"/> Abandonment *</td><td><input type="checkbox"/> New Construction</td></tr> <tr><td><input type="checkbox"/> Casing Repair</td><td><input type="checkbox"/> Pull or Alter Casing</td></tr> <tr><td><input type="checkbox"/> Change of Plans</td><td><input type="checkbox"/> Shoot or Acidize</td></tr> <tr><td><input type="checkbox"/> Conversion to Injection</td><td><input type="checkbox"/> Vent or Flare</td></tr> <tr><td><input type="checkbox"/> Fracture Treat</td><td><input type="checkbox"/> Water Shut-Off</td></tr> <tr><td><input type="checkbox"/> Other _____</td><td></td></tr> </table> <p>Date of Work Completion _____</p> <p>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.</p>	<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____	
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Annual Status Report of shut-in, temporarily abandoned, and suspended drilling wells.

Waiting for workover.

RECEIVED

FEB 16 1993

DIVISION OF
OIL, GAS & MINING

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

Name & Signature <u>Willard Pease</u>	Title <u>President</u>	Date <u>FEB 11 1993</u>
---------------------------------------	------------------------	-------------------------

(State Use Only)

WELL SEARCH

WELL DATA

WELL HISTORY

WELL ACTIVITY

WELL NAME	COWBOY 7	API NUMBER	4303730325	LEASE TYPE	1	LEASE NUMBER	U-0145834
OPERATOR NAME	PEASE OIL & GAS COMPANY	OPERATOR ACCOUNT	N1080	WELL TYPE	OW	WELL STATUS	S
FIELD NAME	COWBOY	FIELD NUMBER	340	ELEVATION	4780* KB	ALT ADDRESS	#
COUNTY	SAN JUAN	CONFIDENTIAL FLAG	<input type="checkbox"/>	Q. S. T. R. M.	NWNW 23 39.0 S 22.0 E S		
SURF LOCATION	0763 FNL 0746 FWL	CONFIDENTIAL DATE	<input type="checkbox"/>			TOTAL CUMULATIVE OIL	8465
COORDS SURF N	4138695.00	LA / PA DATE	<input type="checkbox"/>	MM / DD / YYYY		TOTAL CUMULATIVE GAS	1859
COORDS SURF E	635201.00	DIRECTIONAL	<input type="checkbox"/>			TOTAL CUMULATIVE WATER	4040
COORDS BHL N	<input type="checkbox"/>	INDIAN TRIBE	<input type="checkbox"/>	CB-METHANE FLAG	<input type="checkbox"/>	BOND NUMBER	<input type="checkbox"/>
COORDS BHL E	<input type="checkbox"/>	MULTI-LEG COUNT	<input type="checkbox"/>	SURF OWNER TYPE	<input type="checkbox"/>	BOND TYPE	<input type="checkbox"/>
FIELD TYPE FLAG	<input type="checkbox"/>	WILDCAT TAX FLAG	<input type="checkbox"/>	C.A. NUMBER	<input type="checkbox"/>		
COMMENTS	761109 PROP LOC FR 660 FNL 660 FWL:870119 ENTITY FR 2545:940909 OPER NM FR WILLARD PEASE O&G EFF 12-1-93:						

Create New Rec Save Cancel To History To Activity ↑ ↓



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reenter a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.
U-0145834

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

8. Well Name and No.
Cowboy #7

2. Name of Operator

Burkhalter Engineering, Inc.

9. API Well No.
43-037-30325

3. Address and Telephone No.

P.O. Box 60095 Grand Junction, CO 81506 (970) 245-5917

10. Field and Pool, or Exploratory Area
Cowboy

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

763' FNL, 746' FWL, NWNW Sec.23 T39S R22E, SLB&M

11. County or Parish, State
San Juan County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other Change of Operator
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

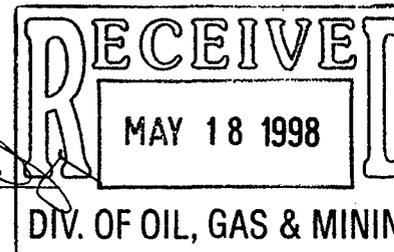
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)

Effective April 1, 1998, Burkhalter Engineering became the operator of the Cowboy #7 well. Burkhalter Engineering is responsible under the terms and conditions of the lease for operations conducted on the leased lands or portions thereof.

Bond coverage for this well will be provided by BLM Bond No. UT1097

Willard Pease Jr.
Willard Pease Jr.
Pease Oil and Gas Company



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

Signed J. N. Burkhalter

Title Pres

Date May 4, 1998

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reenter a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

Expires: March 31, 1993

5. Lease Designation and Serial No.
U-2140A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

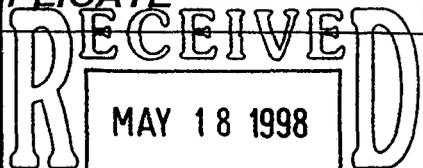
8. Well Name and No.
See Exhibit "A" Attached

9. API Well No.
See Exhibit "A" Attached

10. Field and Pool, or Exploratory Area
Cisco Dome

11. County or Parish, State
Grand County, Utah

SUBMIT IN TRIPLICATE



1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Burkhalter Engineering, Inc.

3. Address and Telephone No.

P.O. Box 60095 Grand Junction, CO 81506 (970) 245-5917

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

See Exhibit "A" Attached

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other Change of Operator

Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

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

13. 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.)

Effective April 1, 1998, Burkhalter Engineering became the operator of the wells listed on Exhibit "A" attached. Burkhalter Engineering is responsible under the terms and conditions of the lease for operations conducted on the leased lands or portions thereof.

Bond coverage for this well will be provided by BLM Bond No. UT1097

Willard Pease Jr.
Willard Pease Jr.
Pease Oil and Gas Company

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

Signed J. N. Burkhalter Title Pres Date May 4, 1998

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any: _____

Title 18 U.S.C Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instructions on Reverse Side

EXHIBIT "A" TO SUNDRY NOTICE
U-2140A

<u>WELL NAME & NO.</u>	<u>API NO.</u>	<u>1/4 1/4</u>	<u>SEC.</u>	<u>TWP.</u>	<u>RNG.</u>
Federal 10-2	43-019-31210	NESW	10	20S	21E
Federal 11-1	43-019-30485	NWSW	11	20S	21E
Federal 11-2	43-019-30882	SESE	11	20S	21E
Federal 11-3	43-019-30884	SWSW	11	20S	21E
Federal 12-1	43-019-30881	SWSW	12	20S	21E
Federal 13-1	43-019-30348	SWSW	13	20S	21E
Federal 13-2	43-019-30673	SENW	13	20S	21E
Federal 13-3	43-019-30883	NWNE	13	20S	21E
Federal 13-4	43-019-30885	NWSE	13	20S	21E
Federal 14-1	43-019-30430	NWNW	14	20S	21E
Federal 14-1A	43-019-30436	NWNW	14	20S	21E
Federal 14-2	43-019-30487	NENE	14	20S	21E
Federal 15-1	43-019-30585	NESE	15	20S	21E
Federal 15-2	43-019-30636	NWNW	15	20S	21E
Federal 15-3	43-019-30637	NENE	15	20S	21E
Federal 15-4	43-019-30887	SWSW	15	20S	21E
Federal 1-10	43-019-30484	NWSW	10	20S	21E
Federal 22-1	43-019-30625	SENE	22	20S	21E

-END-

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS

PEASE OIL & GAS COMPANY
PO BOX 60219
GRAND JUNCTION, CO 81506

UTAH ACCOUNT NUMBER: N1080

REPORT PERIOD (MONTH/YEAR): 7 / 1999

AMENDED REPORT (Highlight Changes)

WELL NAME			Producing Zone	Well Status	Well Type	Days Oper	Production Volumes		
API Number	Entity	Location					OIL (BBL)	GAS (MCF)	WATER (BBL)
4301930393	02490	20S 21E 11	DK-CM		OW		U-72600	apprv 12.16.99	ffb 4.1.98
4301930392	02515	20S 21E 11	DKTA		OW		U-5675	apprv 12.16.99	" "
4303730012	02530	39S 22E 14	ISMY		OW				
4303730037	02530	39S 22E 14	ISMY		NA				
4303730062	02530	39S 22E 14	ISMY		OW				
4303730325	02530	39S 22E 23	ISMY		OW				
4301930586	08140	20S 21E 23	DKTA		GW		U-2139A	apprv 12.16.99	ffb 4.1.98
4301930484	08141	20S 21E 10	DKTA		GW		U-2140A	apprv 12.16.99	ffb 4.1.98
4301930485	08142	20S 21E 11	CDMTN		GW		U-2140A	apprv 12.16.99	ffb 4.1.98
4301930882	08143	20S 21E 11	CDMTN		GW		U-2140A	apprv 12.16.99	ffb 4.1.98
4301930884	08144	20S 21E 11	CDMTN		GW		U-2140A	apprv 12.16.99	ffb 4.1.98
4301930881	08145	20S 21E 12	MRSN		GW		U-2140A	apprv 12.16.99	ffb 4.1.98
4301930348	08146	20S 21E 13	MRSN		GW		U-2140A	apprv 12.16.99	ffb 4.1.98

TOTALS

--	--	--

COMMENTS :

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135

Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reenter a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

U-0145834

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

8. Well Name and No.

Cowboy #7

9. API Well No.

43-037-30325

2. Name of Operator

Burkhalter Engineering, Inc.

10. Field and Pool, or Exploratory Area

Cowboy

3. Address and Telephone No.

P.O. Box 60095 Grand Junction, CO 81506 (970) 245-5917

11. County or Parish, State

San Juan County, Utah

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

763' FNL, 746' FWL, NWNW Sec.23 T39S R22E, SLB&M

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

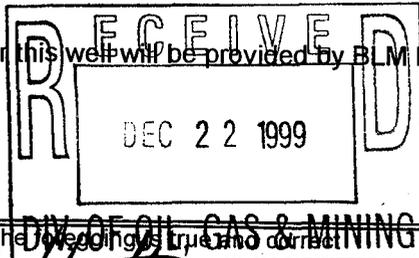
- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other Change of Operator
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

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

13. 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.)*

Effective April 1, 1998, Burkhalter Engineering became the operator of the Cowboy #7 well. Burkhalter Engineering is responsible under the terms and conditions of the lease for operations conducted on the leased lands or portions thereof.

Bond coverage for this well will be provided by BLM Bond No. UT1097



Willard Pease Jr.
Willard Pease Jr.
Pease Oil and Gas Company

RECEIVED
NOAR FIELD OFFICE
1998 MAR -5 PM 12: 37
DEPT OF THE INTERIOR
BUREAU OF LAND MGMT

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

Signed *J.M. Burkhalter*

Title *Pres*

Date May 4, 1998

(This space for Federal or State office use)

Approved by *William H...*

Title Assistant Field Manager,
Division of Resources

Date 12/16/99

Conditions of approval, if any:

cc: UNOEM 12/16/99

COPIES OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Burkhalter Engineering, Inc.
Well No. Cowboy 7
NWNW Sec. 14, T. 39 S., R. 22 E.
Lease UTU0145834
San Juan County, Utah

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Burkhalter Engineering, Inc. is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by UT1097 (Principal - Burkhalter Engineering, Inc.) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

RECEIVED
DEC 22 1999

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reenter a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.
U-2140A U02140A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

8. Well Name and No.

See Exhibit "A" Attached

2. Name of Operator

Burkhalter Engineering, Inc.

9. API Well No.

See Exhibit "A" Attached

3. Address and Telephone No.

P.O. Box 60095 Grand Junction, CO 81506 (970) 245-5917

10. Field and Pool, or Exploratory Area

Cisco Dome

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

See Exhibit "A" Attached

11. County or Parish, State

Grand County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other Change of Operator
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

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

13. 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.)

Effective April 1, 1998, Burkhalter Engineering became the operator of the wells listed on Exhibit "A" attached. Burkhalter Engineering is responsible under the terms and conditions of the lease for operations conducted on the leased lands or portions thereof.

Bond coverage for this well will be provided by BLM Bond No. UT1097

Willard Pease Jr.
Willard Pease Jr.
Pease Oil and Gas Company

RECEIVED
FIELD OFFICE
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MGMT
MAY 5 PM 12:36

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

Signed J. M. Burkhalter

Title PMES

Date May 4, 1998

(This space for Federal or State office use)

Approved by William's H.

Title Assistant Field Manager,
Division of Resources Date 12/16/99

Conditions of approval, if any:

cc: U006m 12/16/99

CONDITIONS OF APPROVAL

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

***See Instructions on Reverse Side**

EXHIBIT "A" TO SUNDRY NOTICE
U-2140A

<u>WELL NAME & NO.</u>	<u>API NO.</u>	<u>1/4 1/4</u>	<u>SEC.</u>	<u>TWP.</u>	<u>RNG.</u>
Federal 10-2	43-019-31210	NESW	10	20S	21E
Federal 11-1	43-019-30485	NWSW	11	20S	21E
Federal 11-2	43-019-30882	SESE	11	20S	21E
Federal 11-3	43-019-30884	SWSW	11	20S	21E
Federal 12-1	43-019-30881	SWSW	12	20S	21E
Federal 13-1	43-019-30348	SWSW	13	20S	21E
Federal 13-2	43-019-30673	SENW	13	20S	21E
Federal 13-3	43-019-30883	NWNE	13	20S	21E
Federal 13-4	43-019-30885	NWSE	13	20S	21E
Federal 14-1	43-019-30430	NWNW	14	20S	21E
Federal 14-1A	43-019-30436	NWNW	14	20S	21E
Federal 14-2	43-019-30487	NENE	14	20S	21E
Federal 15-1	43-019-30585	NESE	15	20S	21E
Federal 15-2	43-019-30636	NWNW	15	20S	21E
Federal 15-3	43-019-30637	NENE	15	20S	21E
Federal 15-4	43-019-30887	SWSW	15	20S	21E
Federal 1-10	43-019-30484	NWSW	10	20S	21E
Federal 22-1	43-019-30625	SENE	22	20S	21E

-END-

Burkhalter Engineering, Inc.
All Wells on Lease UTU02140A
(1-10, 10-2, 11-1, 11-2, 11-3, 12-1, 13-1, 13-2, 13-3, 13-4,
14-1, 14-1A, 14-2, 15-1, 15-2, 15-3, 15-4 and 22-1)
Sections 10, 11, 12, 13, 14, 15 and 22, T. 20 S., R. 21 E.
Grand County, Utah

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Burkhalter Engineering, Inc. is considered to be the operator of the above wells and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for these wells is provided by UT1097 (Principal - Burkhalter Engineering, Inc.) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

U-0145834

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Cowboy #7

9. API Well No.

43-037-30325

10. Field and Pool, or Exploratory Area

Cowboy

11. County or Parish, State

San Juan County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

B. K. Seeley, Jr. doing business as Seeley Oil Company

3. Address and Telephone No.

P.O. Box 9015, Salt Lake City, Utah 84109 (801) 467-6419

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

763' FNL. 746' FWL, NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 23 T39S-R22E, SLB&M

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Change of Operator</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

13. 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.)*

Effective August 1, 1998, B.K. Seeley d/b/a Seeley Oil Company became the operator of the Cowboy #7 well. B.K. Seeley d/b/a Seeley Oil Company is responsible under the terms and conditions of the lease for operations conducted on the leased lands or portions thereof.

Bond coverage for this well will be provided by BLM Bond No. 0692.

RECEIVED
 DEC 22 1999
 DIVISION OF OIL, GAS & MINING

J. N. Burkhalter
J. N. Burkhalter
Burkhalter Engineering, Inc.

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

Signed B. K. Seeley Title _____ Date 9/22/98

(This space for Federal or State office use)
Approved by William Title Assistant Field Manager,
Conditions of approval, if any: Division of Resources Date 12/16/99

cc: WDOGM, Burkhalter Engineering

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Seeley Oil Company.
Well No. Cowboy 7
NWNW Sec. 14, T. 39 S., R. 22 E.
Lease UTU0145834
San Juan County, Utah

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Seeley Oil Company is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by UT0692 (Principal - Seeley Oil Company) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

OPERATOR CHANGE WORKSHEET

1-KDR ✓	6-KAS ✓
2-GLH	7-OT
3-JRB ✓	8-FILE
4-CDV ✓	
5-KDR ✓	

Attach all documentation received by the Division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (Well Sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 4-1-98

TO:(New Operator) BURKHALTER ENGINEERING INC. **FROM:**(Old Operator) PEASE OIL & GAS COMPANY
 Address: P.O. BOX 60095 Address: P.O. BOX 60219
GRAND JUNCTION, CO 81506 GRAND JUNCTION, CO 81506
 Phone: (970)245-5070 Phone: (970)245-5917
 Account No. N6820 Account No. N1080

WELL(S): Attach additional page(s) if needed.

Name: <u>COWBOY 1 (SOW)</u>	API: <u>43-037-30012</u>	Entity: <u>2530</u>	S <u>14</u>	T <u>39S</u>	R <u>22E</u>	Lease: <u>U-0145834</u>
Name: <u>COWBOY 4 (TA)</u>	API: <u>43-037-30037</u>	Entity: <u>2530</u>	S <u>14</u>	T <u>39S</u>	R <u>22E</u>	Lease: <u>U-0145834</u>
Name: <u>COWBOY 5 (SOW)</u>	API: <u>43-037-30062</u>	Entity: <u>2530</u>	S <u>14</u>	T <u>39S</u>	R <u>22E</u>	Lease: <u>U-0145834</u>
Name: <u>COWBOY 7 (SOW)</u>	API: <u>43-037-30325</u>	Entity: <u>2530</u>	S <u>23</u>	T <u>39S</u>	R <u>22E</u>	Lease: <u>U-0145834</u>
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- KDR 1. (R649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form) on 5.18.98.
- KDR 2. (R649-8-10) Sundry or other legal documentation has been received from the **NEW** operator on 5.18.98.
- N/A 3. The new company has been looked up in the **Department of Commerce, Division of Corporations Database** if the new operator above is not currently operating any wells in Utah. Is the operator registered with the State? **Yes/No** If yes, the company file number is _____. If no, Division letter was mailed to the new operator on _____.
- KDR 4. **Federal and Indian Lease Wells.** The BLM and/or the BIA has approved the operator change for all wells listed above involving Federal and/or Indian leases. (Rec'd 12.22.99)
- N/A 5. **Federal and Indian Units.** The BLM and/or the BIA has approved the operator change for the _____ unit and all wells listed above involving unit operations.
- N/A 6. **Federal and Indian Communitization Agreements ("CA").** The BLM and/or the BIA has approved the operator change for CA (Federal,Indian), CA No. _____, and all wells listed above involved in the CA.
- N/A 7. **Underground Injection Control ("UIC") Program.** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project and/or for the water disposal well(s) listed above.

- KDR 8. Changes have been entered in the **Oil and Gas Information System** for each well listed on 1/7/00.
- N/A 9. Changes have been entered in **RBDMS** for each water/gas injection, water disposal well listed on _____.
- KDR 10. **Cardex** file has been updated for each well listed above on _____.
- KDR 11. Changes have been included on the monthly "Operator, Address, and Account Changes" memo on 1/7/00.
- KDR 12. An **Operator Change File** has been set up, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- KDR 1. (R649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? If entity assignments were changed, attach copies of Form 6, Entity Action Form. NO
- KDR 2. Tax Commission, Trust Lands, and Forestry, Fire & State Lands have been **notified** through normal procedures of entity changes.

BOND VERIFICATION - (FEE LEASE WELLS)

- N/A 1. (R649-3-1) The **NEW** operator of any fee lease well(s) listed above has furnished a proper bond.
- I 2. A **copy of this form** has been placed in the new and former operator's bond files on _____.
- I 3. The **FORMER** operator has requested a release of liability from their bond as of todays date _____? If yes, Division response was made to this request by letter dated _____ (see bond file).

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A 1. **E-mail** sent on _____ to _____ at **SITLA** for changes involving State leases. (Wait two weeks before changing, unless the Division hears otherwise.)
- I 2. (R649-2-10) The **Former** operator of any Fee lease wells listed above has been contacted and informed by letter dated _____, of their responsibility to notify all interest owners of this change.

FILMING

- VS 1. All attachments to this form have been **microfilmed** on APR 13 2000.

FILING

- ___ 1. Copies of all attachments pertaining to each individual well have been filed in each **well file**.
- ___ 2. The **original of this form**, and the **original attachments** have been filed in the Operator file(s).

COMMENTS

OPERATOR CHANGE WORKSHEET

Routing:	
1-KDR ✓	
2-GLH ✓	7-KAS ✓
3-TRB ✓	8-SI
4-CDW ✓	9-FILE
5-KDR ✓	

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)
- Designation of Operator
- Designation of Agent
- Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 4-1-98

TO: (new operator)	<u>BURKHALTER ENGINEERING INC</u>	FROM: (old operator)	<u>PEASE OIL & GAS COMPANY</u>
(address)	<u>PO BOX 60095</u>	(address)	<u>PO BOX 60219</u>
	<u>GRAND JUNCTION CO 81506</u>		<u>GRAND JUNCTION CO 81506</u>
Phone:	<u>(970)245-5917</u>	Phone:	<u>(970)245-5917</u>
Account no.	<u>N6820</u>	Account no.	<u>N1080</u>

WELL(S) attach additional page if needed: *** CALF CANYON UNIT**

Name: **SEE ATTACHED**	API: <u>43-037-80325</u>	Entity: _____	S <u>23</u>	T <u>392</u>	R <u>226</u>	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- Yec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(rec'd 5-18-98)*
- Yec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(rec'd 5-18-98)*
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) ____ If yes, show company file number: _____
- DR 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below. *(rec'd 8.9.99) (rec'd 12.22.99)*
- DR 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(11.19.99) call Canyon U. (12.30.99)*
- DR 6. **Cardex** file has been updated for each well listed above.
- HA 7. **Well file labels** have been updated for each well listed above.
- DR 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(10.29.99) call Canyon U. (12.30.99)*
- DR 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- W/P 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- W/P 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- W/P 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
- W/P 2. A copy of this form has been placed in the new and former operator's bond files.
- W/P 3. The FORMER operator has requested a release of liability from their bond (yes/no) _____, as of today's date _____. If yes, division response was made to this request by letter dated _____.

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- W/P 1. Copies of documents have been sent on _____ to _____ at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- W/P 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated _____ 19 __, of their responsibility to notify all interest owners of this change.

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Today's date: 6-1-02.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form, and the original attachments are now being filed in the Operator Change file.

COMMENTS

990621 per Teresa Thompson w/ BLM, there hasn't been any paperwork filed on Platt Canyon unit. No approval as of yet.

990809 rec'd Platt Canyon unit approval.

990902 left message for Marie McNamee (BLM) for fed. wells

990902 Marie (BLM) called me back. Platt Canyon unit wells have been approved, but not the federal ones yet. There is a problem, per Marie these approvals will take another week. She will send me a copy as soon as it is approved.

991119 called Marie McNamee (BLM; 935.259.2135) to find out if fed. wells appl. She told me not yet - there is a bonding problem. Only Platt Canyon u wells have been approved.

Seeley Oil Company



DE BENNEVILLE K. SEELEY, JR.
OWNER

POST OFFICE BOX 9015
SALT LAKE CITY, UT 84109-0015
OFFICE (801) 467-6419
FAX (801) 278-9755
MOBILE (801) 541-2772

January 7, 2000

State of Utah
Division of Oil, Gas & Mining
1594 West North Temple, suite 1210
P.O. Box 145801 Salt Lake City, Utah 84114-5801

Dear Sirs:

Please be advised that effective August 1, 1998, B.K. Seeley Jr. dba Seeley Oil Company aquired Cowboy Field from Newt Burkhalter. Wells aquired were:

- Cowboy #1 API # 43 - 037 - 30012
located: Sec 14 - T.39S - R.22E San Juan County
- Cowboy # 4 API # 43 - 037 - 30037
located: Sec 14 - T.39S - R.22E SanJuan County
- Cowboy #5 API # 43 - 037 - 30062
located: Sec.14 - T.39S - R.22E SanJuan County
- Cowboy #7 API # 43 - 037 - 30325
located: Sec 23 - T.39E - R.22E San Juan County

Also, effective January 1, 1999 we aquired Recapture Pocket Field from McRae & Henery Ltd. Wells aquired were:

- Recapture Pocket #1 API # 43 - 037 - 30625
located: Sec 3 - T.40S - R.22E San Juan County
- Recapture Pocket #5 API # 43 - 037 - 30689
located: Sec 10 - T.40S - R.22E San Juan County
- Recapture Pocket #7 API # 43 - 037 - 30701
located: Sec 2 - T.40S - R.22E San Juan County

Also, effective May 1, 1999 we acquired Cherokee Field from Dolar Oil Properties. Wells aquired were:

- Cherokee Fed. #11-14 API # 43 - 037 - 31290
located: Sec 14 - T.37S - R.23E San Juan County
- Cherokee Fed. #22-14 API # 43-037 - 31367
located: Sec 14 - T.37S - R.23E San Juan County
- Cherokee Fed. #33-14 API # 43-037 - 31316
located: Sec 14 - T.37S - R.23E San Juan County
- Cherokee Fed. #43-14 API # 43 - 037 - 31364
located: Sec 14 - T.37S - R.23E San Juan County

We currently operate all of the above-named wells.

Sincerely yours,
SEELEY OIL COMPANY

B.K. Seeley, Owner

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

COPY

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

U-0145834

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

B. K. Seeley, Jr. doing business as Seeley Oil Company

3. Address and Telephone No.

P.O. Box 9015, Salt Lake City, Utah 84109 (801) 467-6419

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

763' FNL. 746' FWL, NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 23 T39S-R22E, SLB&M

8. Well Name and No.

Cowboy #7

9. API Well No.

43-037-30325

10. Field and Pool, or Exploratory Area

Cowboy

11. County or Parish, State

San Juan County, Utah

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other Change of Operator
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

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

13. 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.)*

Effective August 1, 1998, B.K. Seeley d/b/a Seeley Oil Company became the operator of the Cowboy #7 well. B.K. Seeley d/b/a Seeley Oil Company is responsible under the terms and conditions of the lease for operations conducted on the leased lands or portions thereof.

Bond coverage for this well will be provided by BLM Bond No. 0692.

J. N. Burkhalter

J. N. Burkhalter
Burkhalter Engineering, Inc.

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

Signed

Title

Date

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

OPERATOR CHANGE WORKSHEET

1-KDR ✓	6-KAS ✓
7-OMH	7-SL
3-JRB ✓	8-FILE
4-CDW ✓	
5-KDR ✓	

Attach all documentation received by the Division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (Well Sold) Designation of Agent
- Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 8-1-98

TO:(New Operator) SEELEY OIL COMPANY
 Address: P.O. BOX 9015
SALT LAKE CITY, UT 84109
B.K. SEELEY JR.
 Phone: (801)467-6419
 Account No. N2880

FROM:(Old Operator) BURKHALTER ENGINEERING INC.
 Address: P.O. BOX 60095
GRAND JUNCTION, CO 81506
 Phone: (970)243-6060
 Account No. N6820

WELL(S): Attach additional page(s) if needed.

Name: <u>COWBOY 1 (SOW)</u>	API: <u>43-037-30012</u>	Entity: <u>2530 S 14 T 39SR 22E</u>	Lease: <u>U-0145834</u>
Name: <u>COWBOY 4 (TA)</u>	API: <u>43-037-30037</u>	Entity: <u>2530 S 14 T 39SR 22E</u>	Lease: <u>U-0145834</u>
Name: <u>COWBOY 5 (SOW)</u>	API: <u>43-037-30062</u>	Entity: <u>2530 S 14 T 39SR 22E</u>	Lease: <u>U-0145834</u>
Name: <u>COWBOY 7 (SOW)</u>	API: <u>43-037-30325</u>	Entity: <u>2530 S 23 T 39SR 22E</u>	Lease: <u>U-0145834</u>
Name: _____	API: _____	Entity: _____ S _____ T _____ R _____	Lease: _____
Name: _____	API: _____	Entity: _____ S _____ T _____ R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- KDR 1. (R649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form) on 1.26.2000.
- KDR 2. (R649-8-10) Sundry or other legal documentation has been received from the **NEW** operator on 1.8.2000.
- N/A 3. The new company has been looked up in the **Department of Commerce, Division of Corporations Database** if the new operator above is not currently operating any wells in Utah. Is the operator registered with the State? **Yes/No** If yes, the company file number is _____. If no, Division letter was mailed to the new operator on _____.
- KDR 4. **Federal and Indian Lease Wells.** The BLM and/or the BIA has approved the operator change for all wells listed above involving Federal and/or Indian leases. (Rec'd 12.22.99)
- N/A 5. **Federal and Indian Units.** The BLM and/or the BIA has approved the operator change for the _____ unit and all wells listed above involving unit operations.
- JHA 6. **Federal and Indian Communitization Agreements ("CA").** The BLM and/or the BIA has approved the operator change for CA (Federal,Indian), CA No. _____, and all wells listed above involved in the CA.
- JHA 7. **Underground Injection Control ("UIC") Program.** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project and/or for the water disposal well(s) listed above.

- 8. Changes have been entered in the **Oil and Gas Information System** for each well listed on _____.
- N/A 9. Changes have been entered in **RBDMS** for each water/gas injection, water disposal well listed on _____.
- KDR 10. **Cardex** file has been updated for each well listed.
- 11. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** on _____.
- KDR 12. An **Operator Change File** has been set up, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- KDR 1. (R649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? Yes No If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- KDR 2. Tax Commission, Trust Lands, and Forestry, Fire & State Lands have been **notified** through normal procedures of entity changes.

BOND VERIFICATION - (FEE LEASE WELLS)

- N/A 1. (R649-3-1) The **NEW** operator of any fee lease well(s) listed above has furnished a proper bond.
- f 2. A **copy of this form** has been placed in the new and former operator's bond files on _____.
- f 3. The **FORMER** operator has requested a release of liability from their bond as of today's date _____? If yes, Division response was made to this request by letter dated _____ (see bond file).

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A 1. **E-mail** sent on _____ to _____ at SITLA for changes involving State leases. (Wait two weeks before changing, unless the Division hears otherwise.)
- I 2. (R649-2-10) The **Former** operator of any Fee lease wells listed above has been contacted and informed by letter dated _____, of their responsibility to notify all interest owners of this change.

FILMING

- ✓ 1. All attachments to this form have been **microfilmed** on APR. 13 2000.

FILING

- 1. **Copies** of all attachments pertaining to each individual well have been filed in each **well file**.
- 2. The **original of this form**, and the **original attachments** have been filed in the Operator file(s).

COMMENTS

000107 left message for Sue Burkhalter w/ Burkhalter Engineering (970-245-5070 hm) requesting paperwork.
 000107 Called Seely oil company regarding paperwork needed. He will fax in ASAP. (Rec'd Fax 1-8-2000)
 000110 left message for Burkhalter

Form 2-221
(May 1983)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Form approved.
Budget Bureau No. 42-R1424.

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 <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> All oil + gas wells		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Seeley Oil Company, LLC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 9015, S. L. C., Utah 84109		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, OR, etc.)	9. WELL NO.
		10. FIELD AND POOL, OR WILDCAT
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
		12. COUNTY OR PARISH
		13. STATE

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 COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDISE

ABANDON*

SHOOTING OR ACIDISING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

(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.)*

this is to inform you that effective with January 2003 we changed our name from "B.K. Seeley Jr. dba Seeley oil Company"

To: Seeley oil Company, L.L.C.

Please change your well records to reflect this change.

RECEIVED

MAR 03 2003

DIV. OF OIL, GAS & MINING

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

SIGNED

B.K. Seeley Jr.

TITLE

Member

DATE

3/03/03

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side



Ted Boyer
Executive Director
Department of Commerce

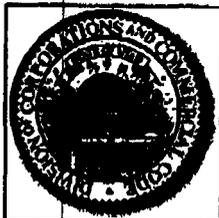
Michael O. Leavitt
Governor
State of Utah

Kathy Berg
Director
Division of Corporations
& Commercial Code

STATE OF UTAH
DEPARTMENT OF COMMERCE
DIVISION OF CORPORATIONS & COMMERCIAL CODE
CERTIFICATE OF REGISTRATION

DE BENNEVILLE K SEELEY, JR
SEELEY OIL COMPANY LLC
3964 S SUMMERSPRING LANE
SALT LAKE CITY UT 84124

MAR 03 2003
DIV. OF OIL, GAS & MINING



State of Utah
Department of Commerce
Division of Corporations & Commercial Code

CERTIFICATE OF REGISTRATION

LLC - Domestic

This certifies that SEELEY OIL COMPANY LLC has been filed and approved on **January 09, 2003** and has been issued the registration number **5260313-0160** in the office of the Division and hereby issues this Certification thereof.

KATHY BERG
Division Director

RECEIVED

MAR 03 2003

DIV. OF OIL, GAS & MINING

well_name	section	township	range	api	entity	lease_type	status	well_type
STATE 36-13	36	15S	12E	43-007-30084	6430	STATE	S	OW
GRASSY TRAIL 36-2	36	15S	12E	43-007-30103	9577	STATE	S	OW
FEDERAL 35-44	35	15S	12E	43-007-30108	99998	FEDERAL	PA	NA

FEDERAL 1	01	16S	12E	43-015-15604	635	FEDERAL	TA	OW
FEDERAL 2	01	16S	12E	43-015-15607	635	FEDERAL	TA	OW
FEDERAL 1-14	01	16S	12E	43-015-30180	9575	FEDERAL	S	OW
STATE 2-43X	02	16S	12E	43-015-30100	6440	STATE	S	OW
STATE 2-23	02	16S	12E	43-015-30111	99990	STATE	I	WD
FEDERAL 3-23	03	16S	12E	43-015-30127	99998	FEDERAL	PA	D
FEDERAL 4-32	04	16S	12E	43-015-30121	6460	FEDERAL	S	OW
FEDERAL 11-33	11	16S	12E	43-015-30097	6435	FEDERAL	P	OW
FEDERAL 11-41	11	16S	12E	43-015-30118	6450	FEDERAL	S	OW
FEDERAL 11-13	11	16S	12E	43-015-30120	6455	FEDERAL	S	OW
FEDERAL 11-11	11	16S	12E	43-015-30149	6490	FEDERAL	S	OW
FEDERAL 11-42	11	16S	12E	43-015-30167	6495	FEDERAL	P	OW
FEDERAL 11-23	11	16S	12E	43-015-30170	6500	FEDERAL	S	OW
FEDERAL 11-43	11	16S	12E	43-015-30172	6431	FEDERAL	S	OW
FEDERAL 12-13	12	16S	12E	43-015-30142	6485	FEDERAL	S	OW
FEDERAL 12-32	12	16S	12E	43-015-30184	9576	FEDERAL	S	OW
FEDERAL 14-11	14	16S	12E	43-015-30138	6475	FEDERAL	S	OW
FEDERAL 6-14	06	16S	13E	43-015-30187	99998	FEDERAL	LA	OW

BONNIE FEDERAL 11-14	14	37S	23E	43-037-31290	10694	FEDERAL	P	OW
BONNIE FEDERAL 33-14	14	37S	23E	43-037-31316	10757	FEDERAL	PA	GW
BONNIE FEDERAL 43-14	14	37S	23E	43-037-31364	10757	FEDERAL	P	OW
BONNIE FEDERAL 22-14	14	37S	23E	43-037-31367	10694	FEDERAL	P	GW

BLACK BULL FEDERAL 31C	31	38S	25E	43-037-31663	11352	FEDERAL	S	GW
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COWBOY 1	14	39S	22E	43-037-30012	2530	FEDERAL	S	OW
COWBOY 4	14	39S	22E	43-037-30037	2530	FEDERAL	PA	OW
COWBOY 5	14	39S	22E	43-037-30062	2530	FEDERAL	P	OW
COWBOY 7	23	39S	22E	43-037-30325	2530	FEDERAL	P	OW

RECAPTURE PCKT ST 7	02	40S	22E	43-037-30701	2790	STATE	P	OW
RECAPTURE POCKET 1	03	40S	22E	43-037-30625	2780	FEDERAL	S	OW
RECAPTURE POCKET 5	10	40S	22E	43-037-30689	2785	FEDERAL	P	OW
GOVT NORWOOD 1	15	40S	22E	43-037-15611	985	FEDERAL	P	OW
1-25A KGS FEDERAL	25	40S	22E	43-037-30906	10025	FEDERAL	S	OW

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW ✓
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **1-9-03**

FROM: (Old Operator):	TO: (New Operator):
SEELEY OIL COMPANY	SEELEY OIL COMPANY LLC
Address: P O BOX 9015	Address: P O BOX 9015
SALT LAKE CITY, UT 84109	SALT LAKE CITY, UT 84109
Phone: 1-(801)-467-6419	Phone: 1-(801)-467-6419
Account No. N2880	Account No. N2355

CA No.

Unit:

WELL(S)	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
FEDERAL 6-14	06-15S-13E	43-015-30187	99998	FEDERAL	OW	LA
BONNIE FEDERAL 11-14	14-37S-23E	43-037-31290	10694	FEDERAL	OW	P
BONNIE FEDERAL 33-14	14-37S-23E	43-037-31316	10757	FEDERAL	GW	PA
BONNIE FEDERAL 43-14	14-37S-23E	43-037-31364	10757	FEDERAL	OW	P
BONNIE FEDERAL 22-14	14-37S-23E	43-037-31367	10694	FEDERAL	GW	P
COWBOY 1	14-39S-22E	43-037-30012	2530	FEDERAL	OW	S
COWBOY 4	14-39S-22E	43-037-30037	2530	FEDERAL	OW	PA
COWBOY 5	14-39S-22E	43-037-30062	2530	FEDERAL	OW	P
COWBOY 7	23-39S-22E	43-037-30325	2530	FEDERAL	OW	P
RECAPTURE POCKET STATE 7	02-40S-22E	43-037-30701	2790	STATE	OW	P
RECAPTURE POCKET 1	03-40S-22E	43-037-30625	2780	FEDERAL	OW	S
RECAPTURE POCKET 5	10-40S-22E	43-037-30689	2785	FEDERAL	OW	P
GOV'T NORWOOD 1	15-40S-22E	43-037-15611	985	FEDERAL	OW	P
1-25A KGS FEDERAL (CA-000232)	25-40S-22E	43-037-30906	10025	FEDERAL	OW	S

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 03/03/2003
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 03/03/2003
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 03/03/2003
- Is the new operator registered in the State of Utah: YES Business Number: 5260313-0160
- If **NO**, the operator was contacted on: _____

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 01/14/2003

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: N/A

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 03/04/2003
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 03/04/2003
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: 1063820156428

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0692

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: N/A

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires: January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. U-0145834
2. Name of Operator Seeley Oil Company		6. If Indian, Allottee or Tribe Name
3a. Address P.O. Box 9015 Salt Lake City, UT, 84109	3b. Phone No. (include area code) 801-467-6419	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NW/NW Sec.23 - T.39s - R.22e		8. Well Name and No. Federal Cowboy #7
		9. API Well No. 43-037-30325
		10. Field and Pool, or Exploratory Area Cowboy Field
		11. County or Parish, State San Juan, Utah

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input checked="" type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Operations witnessed by Jeff Brown.

03/04/10 MIRU w/ RedRock Well Svc. With pump in hole, pressure tested tubing to 460# for 20min with no press. drop. Pulled rods and pump. Completed 6 swab runs, collected samples and sent to H&M. Sediment analysis was drilling mud. No results yet on water. Pulled tubing which initially stuck but freed after pulling 40 and stacking out 2x. Set SN at 5715.8' KB. Ran mill and tagged obstruction @ 3084'. RIH milled 18" through obstruction. ran to bottom of hole. Tagged obstruction @5739. Set composite plug w/ charge @ 5550'. RIH on wireline with collar locator; note that collars at obstruction depth (3084') are 2-3 feet further apart than the rest of the casing string. most jts are 38'-39'; collar at obstruction is 41'. Repair procedure issued by Erik Jones. Perforated 1793'-1794' w/ 4 shots; no circ to surf. Perf 1300'-1301' w/ 4 shots; pump 24 bbls; pressure @600#; rate 1/4 bbl/min; no circ to surf. Set CR @ 1267'. Attempted to pump cmt and establish rate through CR. Unable to pump; ran press to 1500#; no rate. Erik Jones was notified and said that we had satisfied his concerns regarding setting plugs outside the casing. Rig down, no cmt. pumped. Mill out CR w/ tricone bit. Ran 3 1/2"N80 liner landing at 5521KB. Pumped 30bbls cmt. w/ 46.9 bbls displacement to cement liner in casing. Lost returns to surface. Welded steel plate in wellhead to support liner; two 1" holes were cut to comm w/ annulus. RIH mill out CR and composite plug; milled to bottom until sticking in soft bottom aprox 25' off bottom. bailed hole to 8' below bottom perf. Ran 2 1/16" tubing; BHA=4' perf. sub open ended below SN @5749.5 KB. Completed 43 swab runs. First fluid level was at 3800 last was 4100, lowest was #35 at 4700. Pumped 15 sax cmt outside liner from 50#-250# as pump stroke oscillated; no press increase while pumping. Set 1 1/4 pump, replaced all rod boxes w/ slimhole boxes & 7/8" rods w/ 3/4" rods. Installed 2 ground rods. Put back on pump.

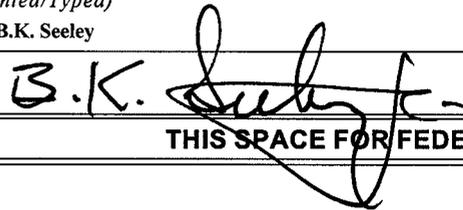
14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

B.K. Seeley

Title President

Signature



Date

04/08/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED

APR 14 2010

DIV. OF OIL, GAS & MINING