

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 Wexpro Company

3. ADDRESS OF OPERATOR
 P. O. Box 458, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface SW NE 1650' FNL, 1650' FEL
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 14 miles north northeast of Hatch Trading Post

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1650

16. NO. OF ACRES IN LEASE n/a

17. NO. OF ACRES ASSIGNED TO THIS WELL -

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1745

19. PROPOSED DEPTH 5890

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) GR 5328

22. APPROX. DATE WORK WILL START* Upon approval

5. LEASE DESIGNATION AND SERIAL NO.
 U-11668

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 -

7. UNIT AGREEMENT NAME
 Patterson

8. FARM OR LEASE NAME
 Unit

9. WELL NO.
 3

10. FIELD AND POOL, OR WILDCAT
 Ismay UNDESIGNATED

11. SEC., T., E., M., OR BLEK. AND SURVEY OR AREA
 5-38S-25E., SLB&M

12. COUNTY OR PARISH San Juan

13. STATE Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4	9-5/8	36	1750	950 sx w/2% CaCl, 1/4# flocele
8-3/4	5-1/2	17	5890	To be determined

See attached drilling plan.

RECEIVED
 NOV 08 1982

APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING
 DATE: 11-9-82
 BY: *Norman S. Stout*

DIVISION OF
 OIL, GAS & MINING

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

24. SIGNED *C. J. Mauer* TITLE Drilling Superintendent DATE November 2, 1982

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Drilling Plan
Wexpro Company
Patterson Unit Well No. 3
San Juan County, Utah

1. SURFACE FORMATION: Morrison

2. ESTIMATED TOPS AND WATER, OIL, GAS OR MINERAL BEARING FORMATIONS:

& 3.	Entrada	675'	
	Carmel	840	
	Navajo	870	- fresh water
	Chinle	1650	
	Shinarump	2430	
	Cutler	2565	
	Honaker Trail	4470	- possible gas
	Paradox	4975	
	Upper Ismay	5355	
	Base 2nd Shale	5500	
	Ismay Porosity	5530	- possible oil
	Lower Ismay Shale	5635	
	B Zone	5735	
	Desert Creek	5755	
	Lower Bench	5800	- possible oil
	Salt	5885'	

4. CASING PROGRAM:

<u>Footage</u>	<u>Size</u>	<u>Grade</u>	<u>Wt.</u>	<u>Condition</u>	<u>Thread</u>	<u>Cement</u>
1750	9-5/8	K-55	36	New	8rd, LT&C	950 sx w/2% CaCl, 1/4# flocele
5890	5-1/2	K-55	17	New	8rd, LT&C	To be determined

5. PRESSURE CONTROL EQUIPMENT: See attached diagram. Operator's minimum specifications for pressure control equipment requires a 10-inch 3000 psi double gate blowout preventer. Surface casing and all preventer rams will be pressure tested to 1000 psi for 15 minutes using rig pump and mud. BOP's will be checked daily as to mechanical operating condition and will be tested by rig equipment after each string of casing is run. All ram type preventers will have hand wheels which will be operative at the time the preventers are installed.

6. MUD PROGRAM: Gel water base mud with minimum properties from surface to total depth. Sufficient mud material to maintain mud properties, control lost circulation and to contain blowout will be available at the wellsite.

7. AUXILIARY EQUIPMENT:

- A. Manually operated kelly cock.
- B. No floats at bit.
- C. Monitoring of mud system will be visual.
- D. Full opening floor valve manually operated.

8. LOGGING: DIL-SP, Sidewall Neutron with GR and Caliper from surface casing to total depth (GR to surface).
Dipmeter from 2000' to total depth.

TESTING: 1 DST at 5530' (Ismay Porosity).

CORING: None

9. ABNORMAL PRESSURE AND TEMPERATURE: No abnormal pressure expected. BHT of 130°F is anticipated.

10. ANTICIPATED STARTING DATE: Upon approval.

DURATION OF OPERATION: 25 days drilling, 3-4 days completion.

CHECKLIST 3000psi EQUIPMENT

Contractor and operator to furnish items checked (x)

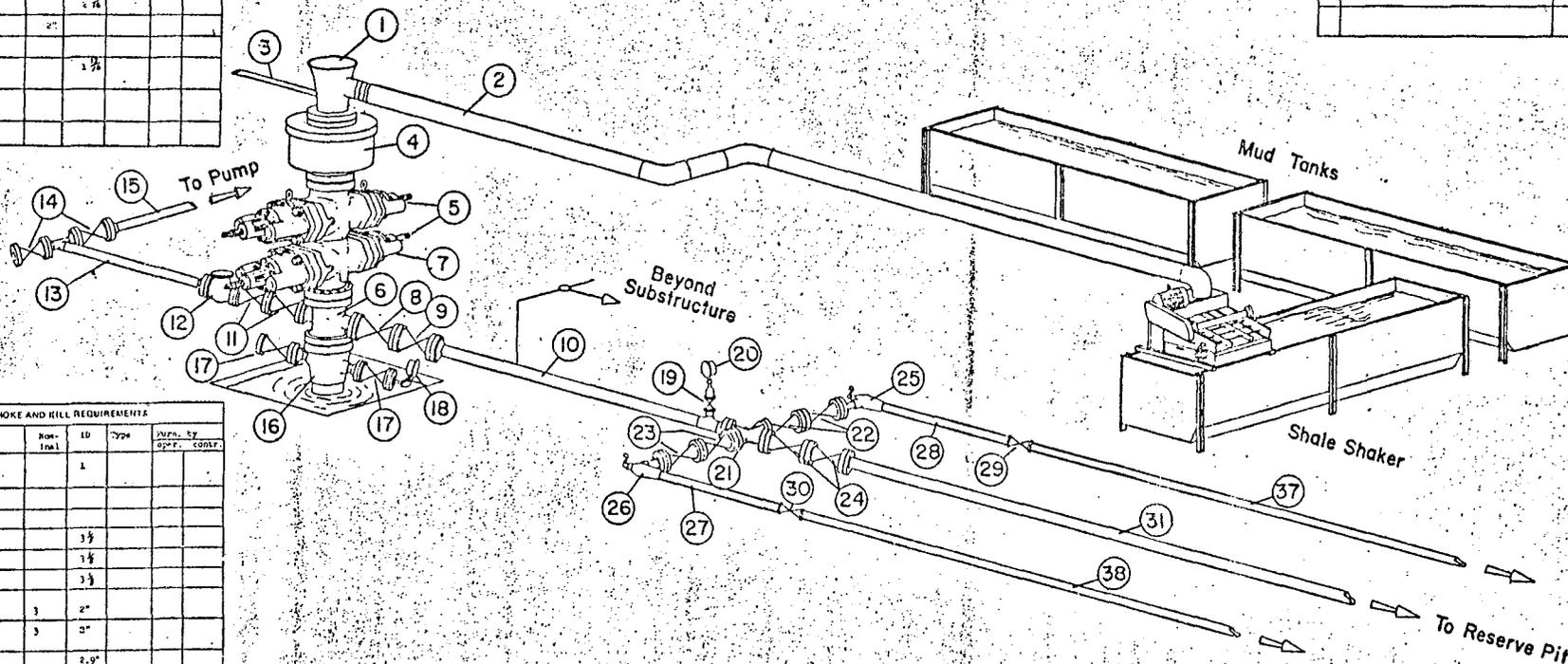
STANDARD STACK REQUIREMENTS					
No.	Item	Num. Inal	ID	Type	Spec. by
					Op'r. Contr.
1	Drilling Nipple				
2	Flowline				
3	Fill up Line	2"			
4	Annular Preventor			Hydril Carson Shaffer	
5	Two single or one dual hydr. oper. rams			H. GRC P. LMG	
6	Drilling Spool with 2" and 3" outlets			Forged	
7	As Alternate to (6) Run and Kill lines from outlets in this ram.				
8	Valve Gate	3 1/2"			
9	Valve-Hydraulically operated Gate	3 1/2"			
10	Choke Line	2.9"			
11	Gate Valves	2 1/2"			
12	Check Valve	2 1/2"			
13	Kill Line	2"			
14	Valves-etc	1 1/2"			
15	Kill line to Pump	2"			
16	Casing Head				
17	Valve Gate Plug	3 1/2"			
18	Compound Pressure Cauge				
	Hear Bushing				

MOUNTAIN FUEL SUPPLY COMPANY

3000 psi BLOWOUT PREVENTION EQUIPMENT

SPECIAL CHOKES AND KILL REQUIREMENTS					

SPECIAL STACK REQUIREMENTS					



STANDARD CHOKES AND KILL REQUIREMENTS					
No.	Item	Num. Inal	ID	Type	Spec. by
					Op'r. Contr.
19	Valve Gate Plug	1			
20	Compound Pressure				
21	Cross 3"x3"				
22	Valve Gate	3 1/2"			
23	Valve Gate	3 1/2"			
24	Valve Gate	3 1/2"			
25	Choke Inn N-2 or equivalent	3	2"		
26	Choke Inn N-2 or equivalent	3	3"		
27	Line to Operator	2.9"			
28	Line to Operator	2.9"			
29	Valve Gate	3 1/2"			
30	Valve Gate	3 1/2"			
31	Line to Res. Pit	2.9"			
32	Line to Res.	2.9"			
33	Line to Res. Pit	2.9"			

OPERATOR WEYBRO DATE 11-9-82

WELL NAME PATTERSON UNIT # 3

SEC SW NE 5 T 38S R 25E COUNTY SAN JUAN

43-037-30848
API NUMBER

FED
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

HL

NID

PI

MAP

PROCESSING COMMENTS:

RJK ✓

APPROVAL LETTER:

SPACING: A-3 PATTERSON
UNIT

c-3-a _____
CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING *FED*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER *NO*

UNIT *PATTERSON*

c-3-b

c-3-c

OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

November 9, 1982

Wexpro Company
P. O. Box 458
Rock Springs, Wyoming 82901

RE: Well No. Patterson Unit #3
SWNE Sec. 5, T.38S, R.25E
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

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

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

OR

CLEON B. FEIGHT - Director
Office: 533-5771
Home: 466-4455

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

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

The API number assigned to this well is 43-037-30848.

Sincerely,


Norman C. Stout
Administrative Assistant

NCS/as
cc: MMS
Enclosure

File
xc-jbc
Dudley

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 42-R1425.

MINERALS MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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 DRILL DEEPEN PLUG BACK

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

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Wexpro Company

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At proposed prod. zone

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17. NO. OF ACRES ASSIGNED TO THIS WELL -

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21. ELEVATIONS (Show whether DF, RT, GR, etc.) GR 5328

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See attached drilling plan.

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24. SIGNED C. J. Maser TITLE Drilling Superintendent DATE November 2, 1982
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY [Signature] FOR E. W. GUYNN TITLE DISTRICT OIL & GAS SUPERVISOR DATE NOV 30 1982
CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED

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

Director

Drilling Plan
Wexpro Company
Patterson Unit Well No. 3
San Juan County, Utah

1. SURFACE FORMATION: Morrison
2. ESTIMATED TOPS AND WATER, OIL, GAS OR MINERAL BEARING FORMATIONS:
- & 3.

Entrada	675'
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Navajo	870 - fresh water
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Shinarump	2430
Cutler	2565
Honaker Trail	4470 - possible gas
Paradox	4975
Upper Ismay	5355
Base 2nd Shale	5500
Ismay Porosity	5530 - possible oil
Lower Ismay Shale	5635
B Zone	5735
Desert Creek	5755
Lower Bench	5800 - possible oil
Salt	5885'

CASING PROGRAM:

Footage	Size	Grade	Wt.	Condition	Thread	Cement
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CORING: None

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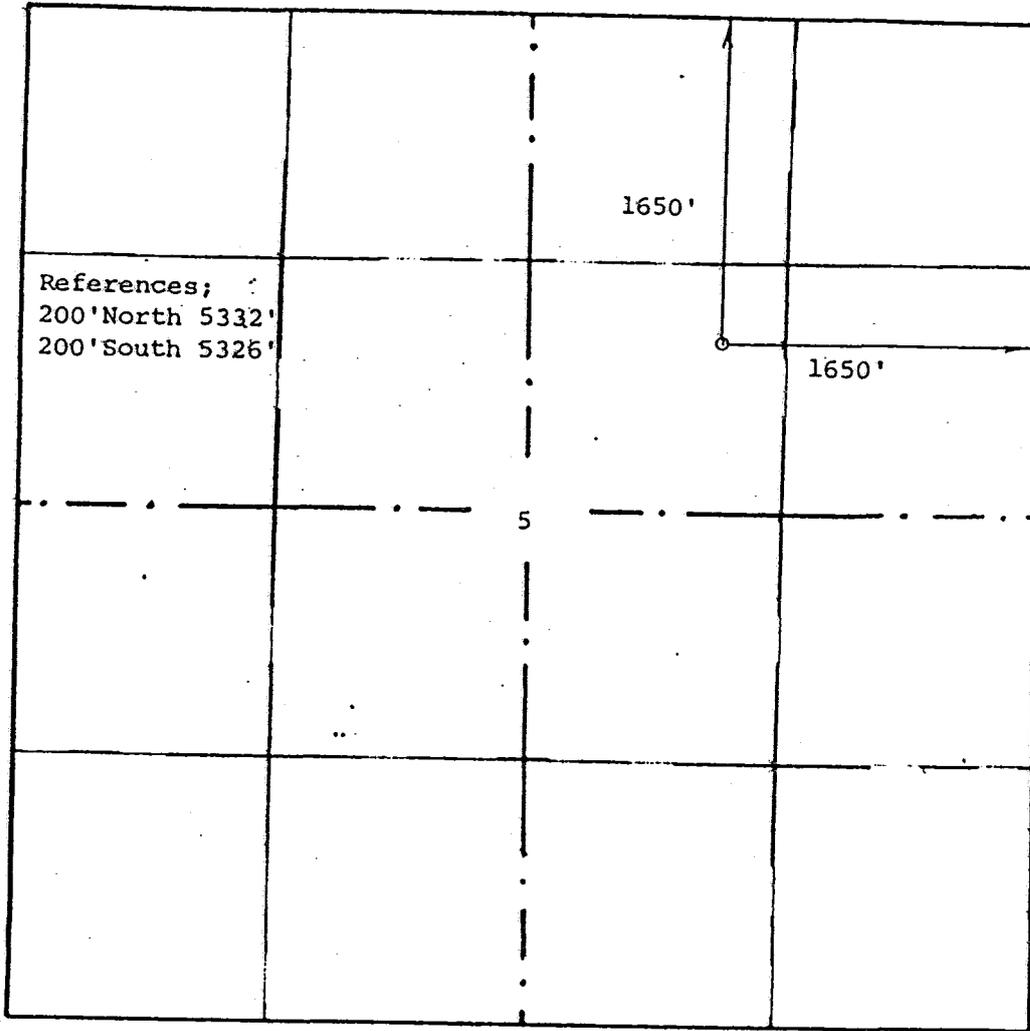
ANTICIPATED STARTING DATE: Upon approval.

DURATION OF OPERATION: 25 days drilling, 3-4 days completion.



POWERS ELEVATION

Well Location Plat



1"=1000'

"as graded elevation 5328'"

Operator Wexpro Co.		Well name Patterson Unit # 3	
Section 5	Township 38 South	Range 25 East	Meridian Salt Lake
Footages 1650'FNL & 1650'FEL		County/State San Juan, Utah	
Elevation 5330'	Requested by Jennifer Head		
The above plat is true and correct to the best of my knowledge and belief.			
26 October 1982		 Gerald G. Huddleston, L.S. Utah Exceptionion	

INTEROFFICE COMMUNICATION

FROM J. B. Golden Salt Lake City Utah
CITY STATE

To J. M. Hummel DATE October 14, 1982

SUBJECT GEOLOGIC PROGNOSIS *Revised

LAND	
UNIT	
GEOL	<i>J.B.G.</i>

Well Name: Patterson Unit Well #3
 Area or Field: Patterson Unit

(1650' FEL 1650' FNL) if possible

Location: SW 1/4 NE 1/4 Section 5 Township 38 South Range 25 East
 County: San Juan State: Utah

Lease No: _____ Company No: _____

Drilling Commitment Date: _____

Name, Depth, Status, and Location of Nearest Well: Patterson Unit #1 - TD 5888' - Oil & Gas Well (Ismay Porosity Zone)
NE NW Section 5, T38S, R25E
San Juan County, Utah

Nearest Well Penetrating Objective: Same as Above

Elevation: Esimated Surveyed

GR: 5320' GR: _____
 KB: 5335' KB: _____

Formation and/or Marker Tops:	<u>Formation or Marker</u>	<u>Depth</u>	<u>Sea Level Datum</u>
	Morrison	Surface	
	Entrada	675'	+ 4660'
	Carmel	840'	+ 4495'
	Navajo	870'	+ 4465'
	Chinle	1650'	+ 3685'
	Shinarump	2430'	+ 2905'
	Cutler	2565'	+ 2770'
	Honaker Trail	4470'	+ 865'
	Paradox	4975'	+ 360'
	Upper Ismay	5355'	- 20'

(con't on back)

Total Depth: 5890'

Drilling Commitment Depth: _____

Major Objective Reservoir:	<u>Reservoir</u>	<u>Depth</u>	<u>Oil or Gas</u>
	Ismay Porosity	5530'	Oil

Other Possible Producing Zones:	<u>Reservoir</u>	<u>Depth</u>	<u>Oil or Gas</u>
	Honaker Trail	4470'	Gas
	Lower Bench Desert Creek	5800'	Oil

*authorized well location

<u>Formation or Marker</u>	<u>Depth</u>	<u>Sea Level Datum</u>
Base 2nd Shale	5500'	- 165'
Ismay Porosity	5530'	- 195'
Lower Ismay Shale	5635'	- 300'
"B" Zone	5735'	- 400'
Desert Creek	5755'	- 420'
Lower Bench	5800'	- 465'
Salt	5885'	- 550'

GEOLOGIC PROGNOSIS

Page 2

WELL NAME: Patterson Unit #3DATE: October 14, 1982

Drill Stem Tests:	<u>Test</u>	<u>Depth or Formation</u>
	1	5530' Ismay Porosity

Coring:	<u>Interval</u>	<u>Depth or Formation</u>
	None	

Mud Logging Unit:	<u>Type</u>	<u>Depth On</u>	<u>Depth Off</u>
	Fully-manned	4300'	Total Depth

Samples:	<u>Interval</u>	<u>From</u>	<u>To</u>	<u>Caught By</u>
	10'	Surface	4300'	Contractor
	10'	4300'	TD	Mud logging unit

Mechanical Logs:	<u>Log Type</u>	<u>Depth On</u>	<u>Depth Off</u>
	DIL-SP	Surface Csg	Total Depth
Sidewall Neutron w/GR & Caliper	Dipmeter	Surface Csg	Total Depth (run Gamma Ray to surface)
		2000'	Total Depth

Well Classification: C-100%

Spacing and/or State Regulation: Area is unspaced, footage tolerance is not less than 500' from legal subdivision boundaries.

Miscellaneous:

H₂S -- None

Coal -- None

Minerals -- Salt, top expected 5885'

Water -- None

BHT -- 130⁰ F

Lost Circulation -- None

Hole Deviation -- None

Abnormal Pressures -- None

Unusual Drilling Formations -- None

Terrain Problems -- None

Special Drilling Instructions -- Drill well with low water loss mud from 5000' to TD to improve mechanical logs. Keep chlorides down below 5000 ppm.

Geological Well Responsibility: Greg Martin: Farmington, NM
Office: (505) 327-3344
Home: (505) 325-4428

Ann 12
Paul
Prospect File
Well File

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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U-11668 RECEIVED

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- NOV 8 1982

7. UNIT AGREEMENT NAME
Patterson LEASE CITY, UTAH

8. FARM OR LEASE NAME
Unit

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Ismay

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APPROVED BY W. P. Mauter FOR E. W. GUYNN DATE NOV 30 1982
CONDITIONS OF APPROVAL, IF ANY: TITLE DISTRICT OIL & GAS SUPERVISOR

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

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

Director

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CORING: None

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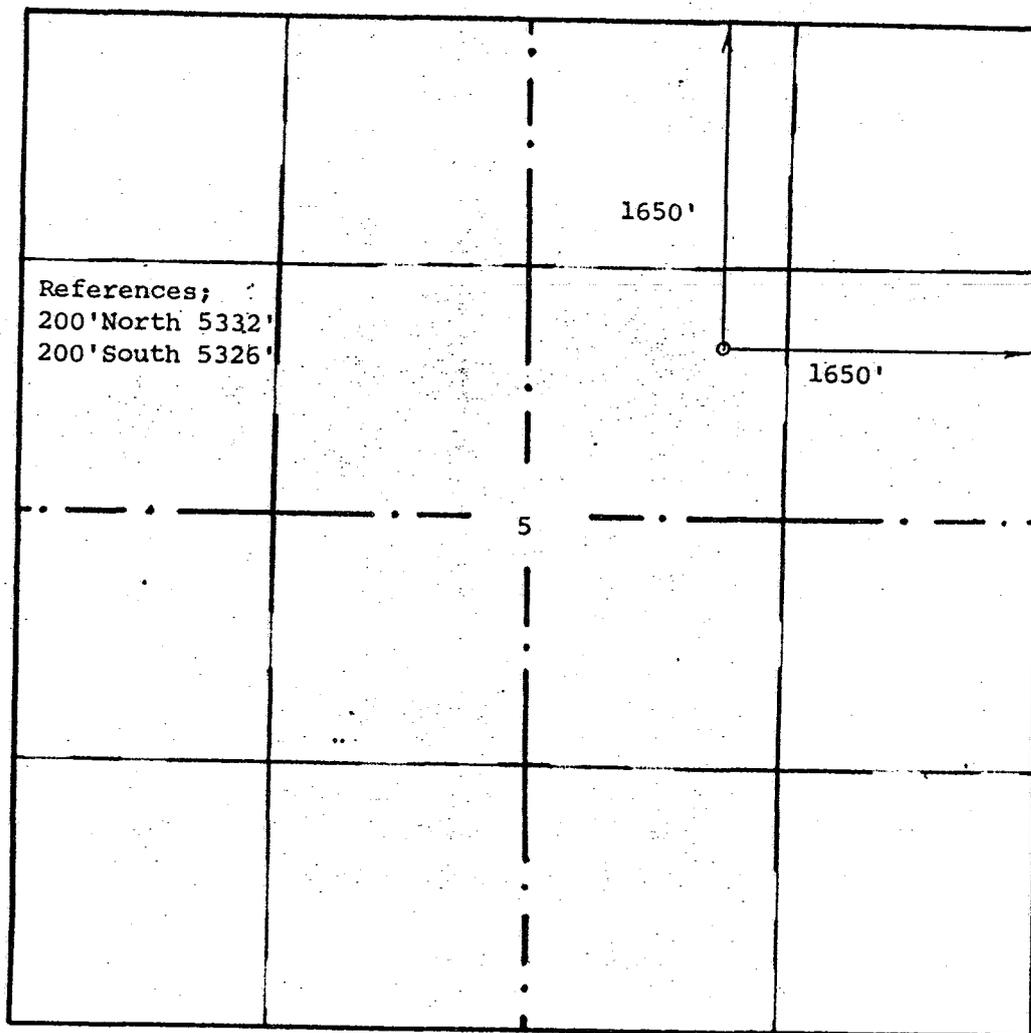
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Well Location Plat



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26 October 1982		 Gerald G. Huddleston, L.S. Utah Exception	

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FROM J. B. GoldenSalt Lake CityUtah

CITY

STATE

TO J. M. HummelDATE October 14, 1982SUBJECT GEOLOGIC PROGNOSIS *Revised

LAND	
UNIT	
GEOLOGIC	<i>90.8</i>

Well Name: Patterson Unit Well #3Area or Field: Patterson Unit

(1650' FEL 1650' FNL) if possible

Location: SW 1/4 NE 1/4 Section 5 Township 38 South Range 25 East
County: San Juan State: Utah

Lease No:

Company No:

Drilling Commitment Date:

Name, Depth, Status, and Location of Nearest Well: Patterson Unit #1 - TD 5888' - Oil & Gas Well (Ismay Porosity Zone)
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San Juan County, UtahNearest Well Penetrating Objective: Same as AboveElevation: Estimated Surveyed
GR: 5320' GR:
KB: 5335' KB:

Formation and/or Marker Tops:	Formation or Marker	Depth	Sea Level Datum
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	Cutler	2565'	+ 2770'
	Honaker Trail	4470'	+ 865'
	Paradox	4975'	+ 360'
	Upper Ismay	5355'	- 20'

(con't on back)

Total Depth: 5890'

Drilling Commitment Depth:

Major Objective Reservoir: Reservoir Depth Oil or Gas
Ismay Porosity 5530' OilOther Possible Producing Zones: Reservoir Depth Oil or Gas
Honaker Trail 4470' Gas
Lower Bench Desert Creek 5800' Oil

<u>Formation or Marker</u>	<u>Depth</u>	<u>Sea Level Datum</u>
Base 2nd Shale	5500'	- 165'
Ismay Porosity	5530'	- 195'
Lower Ismay Shale	5635'	- 300'
"B" Zone	5735'	- 400'
Desert Creek	5755'	- 420'
Lower Bench	5800'	- 465'
Salt	5885'	- 550'

GEOLOGIC PROGNOSIS

WELL NAME: Patterson Unit #3DATE: October 14, 1982

Drill Stem Tests:	<u>Test</u>	<u>Depth or Formation</u>
	1	5530' Ismay Porosity

Coring:	<u>Interval</u>	<u>Depth or Formation</u>
	None	

Mud Logging Unit:	<u>Type</u>	<u>Depth On</u>	<u>Depth Off</u>
	Fully-manned	4300'	Total Depth

Samples:	<u>Interval</u>	<u>From</u>	<u>To</u>	<u>Caught By</u>
	10'	Surface	4300'	Contractor
	10'	4300'	TD	Mud logging unit

Mechanical Logs:	<u>Log Type</u>	<u>Depth On</u>	<u>Depth Off</u>
	DIL-SP	Surface Csg	Total Depth
Sidewall Neutron w/GR & Caliper	Dipmeter	Surface Csg	Total Depth (run Gamma Ray to surface)
		2000'	Total Depth

Well Classification: C-100%

Spacing and/or State Regulation: Area is unspaced, footage tolerance is not less than 500' from legal subdivision boundaries.

Miscellaneous:	H ₂ S --	None
	Coal --	None
	Minerals --	Salt, top expected 5885'
	Water --	None
	BHT --	130 ⁰ F
	Lost Circulation --	None
	Hole Deviation --	None
	Abnormal Pressures --	None
	Unusual Drilling Formations --	None
	Terrain Problems --	None

Special Drilling Instructions -- Drill well with low water loss mud from 5000' to TD to improve mechanical logs. Keep chlorides down below 5000 ppm.

Geological Well Responsibility: Greg Martin: Farmington, NM
Office: (505) 327-3344
Home: (505) 325-4428

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 Wexpro Company

3. ADDRESS OF OPERATOR
 P. O. Box 458, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface SW NE 1650' FNL, 1650' FEL
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 14 miles north northeast of Hatch Trading Post

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 1650

16. NO. OF ACRES IN LEASE
 n/a

17. NO. OF ACRES ASSIGNED TO THIS WELL
 -

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 1745

19. PROPOSED DEPTH
 5890

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 GR 5328

22. APPROX. DATE WORK WILL START*
 Upon approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4	9-5/8	36	1750	950 sx w/2% CaCl, 1/4# flocele
8-3/4	5-1/2	17	5890	To be determined

See attached drilling plan.

RECEIVED
 DEC 01 1982

DIVISION OF
 OIL, GAS & MINING

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

24. SIGNED C. J. Mauer TITLE Drilling Superintendent DATE November 2, 1982

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 FOR E. W. GUYNN
 APPROVED BY WT Mauer TITLE DISTRICT OIL & GAS SUPERVISOR DATE NOV 30 1982
 CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

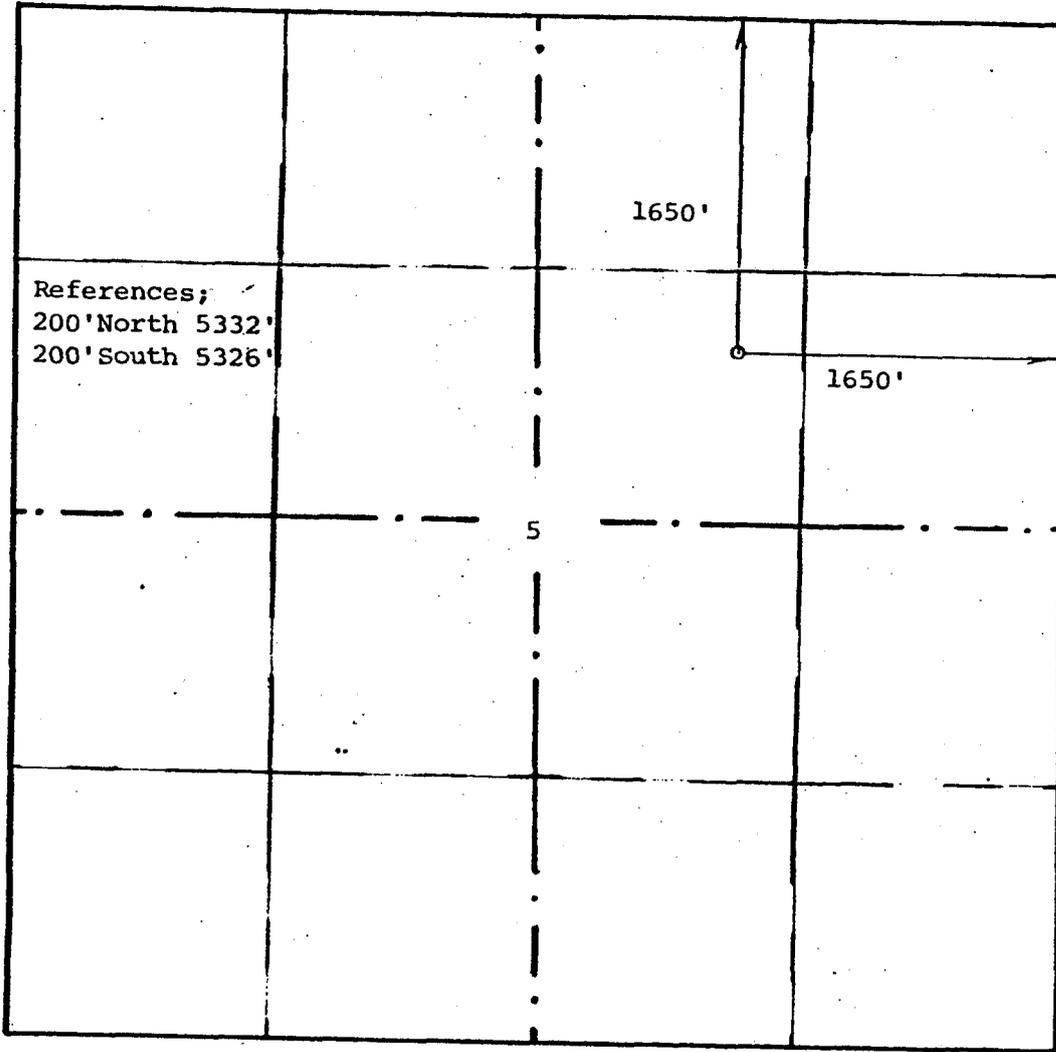
State 006

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



POWERS ELEVATION

Well Location Plat



1"=1000'

Operator Wexpro Co.		Well name Patterson Unit # 3	
Section 5	Township 38 South	Range 25 East	Meridian Salt Lake
Footages 1650'FNL & 1650'FEL		County/State San Juan, Utah	
Elevation 5330'	Requested by Jennifer Head		
The above plat is true and correct to the best of my knowledge and belief.			
26 October 1982		 Gerald G. Huddleston, L.S. Utah Exception	

Wexpro Company
Well No. 3
Section 5, T38S,R25E
San Juan County, Utah
Lease No. U-11668

Supplemental Stipulations:

1. Adequate and sufficient electric/radioactive logs will be run to locate and identify the Saline minerals in the Paradox formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the saline minerals resource.

PATTERSON UNIT #3

WEXPRO COMPANY
SW/NE, SECTION 5, T36S, R26E
SAN JUAN, UTAH

WELL DATA SUMMARY

WELL NAME:	PATTERSON UNIT #3
OPERATOR:	WEXPRO COMPANY
LOCATION:	SW/NE, SECTION 5, T36S, R26E
COUNTY:	SAN JUAN
STATE:	UTAH
AREA:	PATTERSON CANYON
DRILLING CONTRACTOR:	ARAPAHOE #4
DRILLING ENGINEER:	MIKE SLIGER
WELL SITE GEOLOGY:	DOUG REDMOND
ELEVATION: GL	5328'
KB	5342'
DEPTH LOGGED:	4000'-5893'
DATE LOGGED:	05/23038 to 06/08/83
TOTAL DEPTH:	5893'
HOLE SIZE:	12 1/4 to 1724'
	8 3/4 to TD
CASING PROGRAM:	9 5/8 to 1724'
	5 1/2 to TD
CORES:	NONE
D.S.T.	LYNES...LANCE SIPMA
MUDLOGGING COMPANY:	GEO-COM
MECHANICAL LOGS:	DRESSER ATLAS...CNL-FDC & DIL
WELL STATUS:	AWAITING COMPLETION

DAILY DRILLING SUMMARY

<u>1983</u> <u>DATE</u>	<u>DEPTH</u>	<u>PROGRESS</u>	<u>HRS.</u> <u>DRLG.</u>	<u>MUD</u> <u>WEIGHT</u>	<u>VISC.</u>	<u>ACTIVITY</u>
5/28	4000'			8.7	33	Drilling
5/29	4290'	410'	19 1/2	8.7	33	Drilling
5/30	5621'	331'	23 3/4	10.2	38	Drilling
5/31	4799'	178'	19 3/4	10.4	47	Drilling
6/01	5035'	237'	23 1/4	10.2	37	Drilling
6/02	5252'	217'	23 3/4	10.6	36	Drilling
6/03	5448'	196'	23 3/4	10.2	38	Drilling
6/04	5578'	133'	10 3/4	10.5	45	Drill Stem Test #1
6/05	5605'	27'	2 1/4	10.5	52	Drilling
6/06	5810'	205'	23 3/4	10.5	41	Drilling
6/07	5860'	50'	4 3/4	10.6	41	Drill Stem Test #2
6/08	5893'	33'	4	10.6	41	Logging

FORMATION TOPS

ELEVATION: GL 5328'
KB 5342'

<u>FORMATION</u>	<u>SAMPLE</u>	<u>ESTIMATED TOP</u>	<u>SUBSEA</u>
Honaker Trail	4480-4490'	4482'	+860
Paradox	4980-4990'	4985'	+357
Upper Ismay	5500-5510'	5505'	-163
Ismay Shale	5640-5650'	5649'	-307
"B" Zone	5720-5730'	5725'	-383
Desert Creek	5730-5760'	5750'	-408
Desert Creek \emptyset	5810-5820'	5815'	-473

DEVIATION SURVEY

<u>DEPTH</u>	<u>SURVEY</u>	<u>CHANGE</u>
760'	1/2°	
1735'	1°	+1/2°
2290'	1°	
2816'	1°	
3311'	1°	
3649'	1/2°	-1/2°
4175'	1/2°	
4792'	3/4°	+1/4°
5320'	1/2°	-1/4°
5578'	1 1/2°	+ 1°

SHOW REPORT

WELL Patterson Unit #3 AREA Patterson CO. San Juan STATE Utah

SHOW NO. 1 from 5520' to 5533' P.T.D. 5550'

DRILLING BREAK - from 5520' to 5533' GROSS 63 ft, NET 13 ft.

LITHOLOGY: Type - SS LS DOLO SH SLTSTN OTHER _____
 % () (X) () () ()
 Remarks white, tan, fossiliferous, pelletoid, chalky

POROSITY: (Matrix) Est. % 6
 (Fracture) Evidence for fracturing None

STAIN: Even, Patchy, Pin Point, trace (Other)
 Light, Dark, "Live", "Dead"
 % in total cuttings 1; % in prob. reservoir lithology _____
 Stain on fracture faces None

FLUORESCENCE: Color yellow min; % in total ctgs 20

CUT (Chlorothene): very slow to fast and diffuse

PERIOD	DT	MUD GAS	CUTTINGS GAS	GAS CHROMATOGRAPH								
				C ₁	C ₂	C ₃	C ₄	C ₅	C ₆	CO ₂	Etc.	
		UNITS	UNITS									
Before	5	2		.01	--	--	--					
During	2	40		.3	.06	TR	TR					
After	6	4		.02	--	--	--					

RECOGNIZED BY: Redmond Time 4:00 P.M. Date 06/03/83

CALLED Hornbeck Time 4:15 P.M. Date 06/03/83

REMARKS:

SHOW REPORTWELL Paterson Unit #3 AREA Patterson CO. San Juan STATE UtahSHOW NO. 2 from 5541' to 5578' P.T.D. 5578'DRILLING BREAK - from 5541' to 5578' GROSS 37 ft, NET 37 ft.LITHOLOGY: Type - SS LS DOLO SH SLTSTN OTHER _____
% () (X) () () ()Remarks white, brown, light gray, some very fine microcrystalline,POROSITY: (Matrix) Est. % 6-7 sucrosic, fossiliferous, medium hard
(Fracture) Evidence for fracturing NoneSTAIN: Even, Patchy, Pin Point, Trace (Other)
Light, Dark, "Live", "Dead"
% in total cuttings Trace; % in prob. reservoir lithology _____
Stain on fracture faces _____FLUORESCENCE: Color yellow - blue; % in total ctgs 50CUT (Chlorothene): slow to fast streaming milky yellow

PERIOD	DT	MUD GAS	CUTTINGS GAS	GAS CHROMATOGRAPH								
				C ₁	C ₂	C ₃	C _{4N}	C _{4I}	C ₆	CO ₂	Etc.	
		UNITS	UNITS									
Before	6	3		.02								
During	1.5-2	140		.64	.6	.2	TR	TR				
After	2.5	15		.09	TR							

RECOGNIZED BY: Redmond Time 5:15 ~~P.M.~~ ^{A.M.} Date 06/03/83CALLED Hornbeck Time 5:45 ~~P.M.~~ ^{A.M.} Date 06/03/83

REMARKS:

SHOW REPORT

WELL Patterson Unit #3 AREA Patterson CO. San Juan STATE Utah

SHOW NO. 3 from 5816' to 5826' P.T.D. 5835'

DRILLING BREAK - from 5816' to 5826' GROSS 10 ft, NET 10 ft.

LITHOLOGY: Type - SS LS DOLO SH SLTSTN OTHER
 % () () (x) () ()

Remarks medium brown, very fine microcrystalline, sucrosic, anhydritic, earthy, firm, medium hard

POROSITY: (Matrix) Est. % 6
 (Fracture) Evidence for fracturing None

STAIN: Even, Patchy, Pin Point, (Other)
Light, Dark, "Live", "Dead"
 % in total cuttings Trace; % in prob. reservoir lithology _____
 Stain on fracture faces _____

FLUORESCENCE: Color Yellow - blue; % in total ctgs 30

CUT (Chlorothene): None visible

PERIOD	DT	MUD GAS	CUTTINGS GAS	GAS CHROMATOGRAPH								
				C ₁	C ₂	C ₃	C ₄	C ₅	C ₆	CO ₂	Etc.	
		UNITS	UNITS									
Before	8	2		.01	TR							
During	2	13		.1	.06	TR						
After	5.5	3		.01	TR	TR						

RECOGNIZED BY: Redmond Time 8:00 ~~P.M.~~ ^{A.M.} Date 06/06/83

CALLED Hornbeck Time 8:15 ~~P.M.~~ ^{A.M.} Date 06/06/83

REMARKS:

DRILL STEM TEST

WELL: Patterson Unit Well #3 DATE: 06/04/83
TEST: 1 FORMATION: Ismay WITNESS: Sliger
REASON: 2 drilling breaks, 5520'-5533' and 5541'-5578', 40 Units and 140 Units

INTERVAL: 5522'-5589' T.D. _____

TESTING CO.: Lynes/Lance Sipma

TYPE TEST: Conventional double packer

CUSHION: None

I. FLOW: Open with 1" bow, strong blow in B.O.B. in 1 min, 5 min. 23 psi, 10 min. 65 psi,

F. FLOW: Open with 5 psi GTS immediately, O.T.S. in 173 min. and flowed to pit to clean up, turned to separator @ 188 min. (See following page)

GAUGES

I. FLOW OPEN 30 MIN. 1/4" choke F. FLOW OPEN 293 MIN.

I. FLOW OPEN <u>30</u> MIN. <u>1/4"</u> choke		F. FLOW OPEN <u>293</u> MIN.	
GTS <u>15 min.</u>		GTS <u>Immediately</u>	<u>195psi 310</u> Mcf <u>20</u> min.
<u>105 psi 177</u> Mcf <u>15</u> min.		<u>5 psi 29 1/2</u> Mcf <u>open</u> min.	<u>210 psi 33</u> Mcf <u>25</u> min.
<u>125 psi 206</u> Mcf <u>20</u> min.		<u>50 psi 96</u> Mcf <u>5</u> min.	<u>245 psi 38</u> Mcf <u>30</u> min.
<u>142 psi 231</u> Mcf <u>25</u> min.		<u>100 psi 169</u> Mcf <u>10</u> min.	<u>250 psi 390</u> Mcf <u>35</u> min.
<u>170 psi 272</u> Mcf <u>30</u> min.		<u>150 psi 243</u> Mcf <u>15</u> min.	<u>285 psi 44</u> Mcf <u>40</u> min.
RECOVERY: <u>1081' oil, 9.36 BBL oil</u>			<u>290 psi 449</u> Mcf <u>45</u> min.
			<u>290 psi 449</u> Mcf <u>173</u> min.

SAMPLE CHAMBER: 2.17 cfg and 600 cc mud, 100 cc emulsion, @ 690 psi

TOP CHART		TIME	BOTTOM CHART
IH:	<u>3124</u>		
IF:	<u>190-383</u>	<u>30</u>	
ISI:	<u>2067</u>	<u>180</u>	
FF:	<u>251-661</u>	<u>293</u>	
FSI:	<u>2083</u>	<u>360</u>	
FH:	<u>3039</u>		
			BHT <u>122</u> °F

SAMPLES CAUGHT: Gas Oil Water Mud

WHERE CAUGHT: Drill pipe Flow Line Separator MFE Tool

RESISTIVITIES @ 68° REMARKS: 41' gravity @ 60°

PIT MUD: 5.0 @ 75° FILTRATE: _____ Gas to oil ratio 2.6/1

REC. MUD: _____ REC. WTR: _____

<u>MIN.</u>	<u>CHOKE</u>	<u>SEP.</u>	<u>D.P.</u>	<u>MCF</u>
188	22/64	120	350	663
203	16/64	80	400	442
218	32/64	300	300	921
233	32/64	230	275	706
248	32/64	170	205	522
263	32/64	100	175	307
278	32/64	170	180	522
293	32/64	170	175	522

Tank guage start 6.4 BBL

Tank guage finish 17.5 BBL

D.S.T. made 11.1 BBL in 105 min.

DRILL STEM TEST

WELL: Patterson Unit #3 DATE: 06/07/83

TEST: 2 FORMATION: Desert Creek WITNESS: Sliger

REASON: Drilling break, 11 unit gas increased, 5815'-5826'

INTERVAL 5816'-5860' T.D. 5860'

TESTING CO.: Lynes/Lance Sipma

TYPE TEST: Conventional

CUSHION: None

I. FLOW: Open strong to B.O.B. immediately, remained N.G.T.S.

F. FLOW: Open strong to B.O.B. and decreased to medium blow 8" into water

GAUGES

I. FLOW OPEN _____ MIN.		F. FLOW OPEN _____ MIN.	
GTS _____		GTS _____	Mcf _____ min.
_____ Mcf _____ min.		_____ Mcf _____ min.	_____ Mcf _____ min.
_____ Mcf _____ min.		_____ Mcf _____ min.	_____ Mcf _____ min.
_____ Mcf _____ min.		_____ Mcf _____ min.	_____ Mcf _____ min.
_____ Mcf _____ min.		_____ Mcf _____ min.	_____ Mcf _____ min.

RECOVERY: 5' oil and 95' gas and oil cut mud

SAMPLE CHAMBER: .06 cfg and 1400 cc gas and oil cut mud @ 20 psi

	TOP CHART	TIME	BOTTOM CHART	
IH:	<u>3530</u>			
IF:	<u>61-61</u>	<u>30</u>		
ISI:	<u>107</u>	<u>120</u>		
FF:	<u>61-61</u>	<u>240</u>		
FSI:	<u>709</u>	<u>360</u>		
FH:	<u>3503</u>			BHT _____ °F

SAMPLES CAUGHT: Gas Oil Water Mud

WHERE CAUGHT: Drill pipe Flow Line Separator MFE Tool

RESISTIVITIES @ 68° REMARKS: sample chamber mud

PTF MUD: 1.5 @ 70° FILTRATE: _____ Rm is .2 @ 75°

REC. MUD: .32 @ 86° REC. WTR: _____ oil gravity is 39.5 API @ 60°
10,200 PPM

Anna Lake

Patterson Unit Well No. 3

June 3, 1983:

Depth 5448', 196', days 12, pump 700, table 65, wt on bit 20 tons, mud wt 10.2, vis 38, sand $\frac{1}{4}\%$, wl 6, fc $\frac{2}{32}$, ph 10.6, solids 13, bit #6, 8-3/4" f3 CK-1561 cut 656' from 4792' to 5448' in $71\frac{1}{2}$ hours, survey $\frac{1}{2}^\circ$ @ 5220', drilling time $23\frac{1}{2}$ hrs, lost time $\frac{1}{2}$ hr-- $\frac{1}{4}$ rig service and check BOPs; $\frac{1}{4}$ survey. Drilling. MRS

Patterson Unit Well No. 3

Casing Report

KB 5341.85'

*Paul
Annabelle*

Landed 9-5/8" OD, 36#, K-55, 8 rd thrd, ST&C casing at 1722.20' KBM or 13.85' below KB at ground level, top of 11" 3000 psi spool is at ground level, cemented with 380 sacks Halliburton Light treated with 2% CaCl, 10# gilsonite and 1/4# flocele per sack, followed with 180 sacks Regular Class B cement treated with 3% CaCl and 1/4# flocele per sack, ran 1" line pipe to 50' and cemented with 60 sacks Regular Class B treated with 3% CaCl, had good returns while cementing, returned 50 barrels cement to surface, cement in place at 4:00 A.M., 5/25/83.

May 28, 1983:

Depth 3880', 660', days 6, pump 1100, table 700, wt on bit 17 tons, water, bit #3, 8-3/4" f2 cut 1914' from 1735' to 3649' in 19-1/4 hours, bit #4, 8-3/4" f2 cut 231' from 3649' to 3880' in 7 hours, surveys 1° at 3311' and 1/2° at 3649', drilling time 19 hours, lost time 5 hours--1/4 rig service; 4-1/2 trip; 1/4 survey. Drilling. Tom Scrum, Arapahoe

May 29, 1983:

Depth 4290', 410', days 7, pump 1100, table 65, wt on bit 17 tons, water, bit #5, 8-3/4" f3 cut 410' from 3880' to 4290' in 19-1/2 hours, drilling time 19-1/2 hours, lost time 4-1/2 hours--1/4 rig service; 4-1/4 trip for bit #5. Drilling Tom Scrum, Arapahoe

May 30, 1983:

Depth 4621', 331', days 8, pump 1100, table 70, wt on bit 17 tons, mud wt 10.2, vis 38, bit #5, 8-3/4" f3 cut 741' from 3880' to 4621' in 43-1/4 hours, drilling time 23-3/4 hours, lost time 1/4 hours--1/4 rig service and check BOP's. Drilling. Tom Scrum, Arapahoe

May 31, 1983:

Depth 4798, 177', days 9, pump 1200, table 70, wt on bit 17 tons, mud wt 10.1, vis 38, 1/2% wl 19, fc 2/32, ph 11.7, solids 18, bit #5, 8-3/4" f3 cut 912' from 3880' to 4792' in 62 hours, bit #6, 8-3/4" f3 cut 6' from 4792' to 4798' in 1 hours, survey 3/4° at 4792', drilling time 19-3/4 hours, lost time 4-1/4 hours--1/4 rig service and check BOP's; 4 survey and trip, 2" stream of salt water flow at 4280'. Drilling. Tom Scrum

June 1, 1983:

Depth 5040', 242', days 10, pump 1100, table 65, wt on bit 20 tons, mud wt 10.2, vis 37, sand 1/4%, wl 14, fc 2/32, ph 12, solids 13, bit #6, 8-3/4" f3 CK-1561 cut 248' from 4792' to 5040' in 24 1/4 hours, drilling time 23-1/4 hours, lost time 3/4 hours--1/4 rig service; 1/2 repair rig. Drilling. MRS

Annals

Patterson Unit Well No. 3

Casing Report

KB 5341.85'

Landed 9-5/8" OD, 36#, K-55, 8 rd thrd, ST&C casing at 1722.20' KBM or 13.85' below KB at ground level, top of 11" 3000 psi spool is at ground level, cemented with 380 sacks Halliburton Light treated with 2% CaCl, 10# gilsonite and 1/4# flocele per sack, followed with 180 sacks Regular Class B cement treated with 3% CaCl and 1/4# flocele per sack, ran 1" line pipe to 50' and cemented with 60 sacks Regular Class B treated with 3% CaCl, had good returns while cementing, returned 50 barrels cement to surface, cement in place at 4:00 A.M., 5/25/83.

May 28, 1983:

Depth 3880', 660', days 6, pump 1100, table 700, wt on bit 17 tons, water, bit #3, 8-3/4" f2 cut 1914' from 1735' to 3649' in 19-1/4 hours, bit #4, 8-3/4" f2 cut 231' from 3649' to 3880' in 7 hours, surveys 1° at 3311' and 1/2° at 3649', drilling time 19 hours, lost time 5 hours--1/4 rig service; 4-1/2 trip; 1/4 survey. Drilling. Tom Scrum, Arapahoe

May 29, 1983:

Depth 4290', 410', days 7, pump 1100, table 65, wt on bit 17 tons, water, bit #5, 8-3/4" f3 cut 410' from 3880' to 4290' in 19-1/2 hours, drilling time 19-1/2 hours, lost time 4-1/2 hours--1/4 rig service; 4-1/4 trip for bit #5. Drilling Tom Scrum, Arapahoe

May 30, 1983:

Depth 4621', 331', days 8, pump 1100, table 70, wt on bit 17 tons, mud wt 10.2, vis 38, bit #5, 8-3/4" f3 cut 741' from 3880' to 4621' in 43-1/4 hours, drilling time 23-3/4 hours, lost time 1/4 hours--1/4 rig service and check BOP's. Drilling. Tom Scrum, Arapahoe

May 31, 1983:

Depth 4798, 177', days 9, pump 1200, table 70, wt on bit 17 tons, mud wt 10.1, vis 38, 1/2% wl 19, fc 2/32, ph 11.7, solids 18, bit #5, 8-3/4" f3 cut 912' from 3880' to 4792' in 62 hours, bit #6, 8-3/4" f3 cut 6' from 4792' to 4798' in 1 hours, survey 3/4° at 4792', drilling time 19-3/4 hours, lost time 4-1/4 hours--1/4 rig service and check BOP's; 4 survey and trip, 2" stream of salt water flow at 4280'. Drilling. Tom Scrum

June 1, 1983:

Depth 5040', 242', days 10, pump 1100, table 65, wt on bit 20 tons, mud wt 10.2, vis 37, sand 1/4%, wl 14, fc 2/32, ph 12, solids 13, bit #6, 8-3/4" f3 CK-1561 cut 248' from 4792' to 5040' in 24 1/4 hours, drilling time 23-1/4 hours, lost time 3/4 hours--1/4 rig service; 1/2 repair rig. Drilling. MRS

June 2, 1983:

Depth 5252', 212', days 11, pump 1100, table 65, wt on bit 20 tons, mud wt 10.6, vis 38, sand 1/4%, wl 10.4, fc 2/32, ph 12, solids 16, bit #6, 8-3/4" f3 CK-1561, cut 460' from 4792' to 5252' in 48 hours, drilling time 23-3/4 hours, lost time 1/4 hour--1/4 rig service and check BOP's. Drilling. MRS

Patterson Unit Well No. 3

June 7, 1983:

Depth 5860', 48', days 16, pump 1200, table 60, wt on bit 20 tons, mud wt 10.6, vis 41, sand trace, wl 7.2, fc 2/32, ph 10.4, solids 16, bit #6 RR, 8-3/4" f3 CR-1561 cut 282' from 5578' to 5860' in 30 hours, drilling time 4 hours, lost time 20 hours--1/4 rig service and check BOP's; 2 short trip, on bank one hour; 9-1/2 circulate and condition hole and mud for DST #2, hole caving badly; 6 trip out for DST #2; 2-1/4 DST #2. DST #2. MRS

Drill Stem Test #2

Depth 5860', packers 5807' and 5816'

Desert Creek, 5815-5826', 12 unit gas increase

IO 30 mins, ISI 120 mins, 1st open strong, no gas to surface, 2nd open, strong, no gas to surface.

Amalalla

Patterson Unit Well No. 3

June 7, 1983:

Depth 5860', 48', days 16, pump 1200, table 60, wt on bit 20 tons, mud wt 10.6, vis 41, sand trace, wl 7.2, fc 2/32, ph 10.4, solids 16, bit #6 RR, 8-3/4" f3 CR-1561 cut 282' from 5578' to 5860' in 30 hours, drilling time 4 hours, lost time 20 hours--1/4 rig service and check BOP's; 2 short trip, on bank one hour; 9-1/2 circulate and condition hole and mud for DST #2, hole caving badly; 6 trip out for DST #2; 2-1/4 DST #2. DST #2. MRS

Drill Stem Test #2

Depth 5860', packers 5807' and 5816'

Desert Creek, 5815-5826', 12 unit gas increase

IO 30 mins, ISI 120 mins, FO 240 mins, FSI 360 mins, 1st open strong, no gas to surface, 2nd open strong decreasing to medium, no gas to surface, recovered 95' gas and oil cut mud (7.8 ppg, oil trace, Rw 0.32%, 10,200 ppm), 5' oil, MFE .06 cubic feet gas, 1400 cc oil and mud (20 psi, 8.5 ppg, Rw 0.2%, 225,000 ppm), pit mud 10.5 ppg, Rw 1.75%, 3000 ppm, IHP 3530, IOFP's 61-61, ISIP 107, FOFP's 61-61, FSIP 709, FHP 3503, BHT 129°F.

June 8, 1983:

Depth 5893', 33', days 17, pump 1000, table 60, wt on bit 20 tons, mud wt 10.5, vis 43, sand 1/4%, wl 8, fc 2/32, ph 11.5, solids 15, bit #6 RR, 8-3/4" f3 CR-1561 cut 33' from 5860' to 5893' in 3 1/4 hours, drilling time 3 1/4 hours, lost time 20-3/4 hours--14 1/4 DST #2; 2 1/4 trip in hole; 2 circulate for logs; 2 1/4 trip out for logs. Waiting on Dresser. MRS

Patterson Unit Well No. 3

June 7, 1983:

Depth 5860', 48', days 16, pump 1200, table 60, wt on bit 20 tons, mud wt 10.6, vis 41, sand trace, wl 7.2, fc 2/32, ph 10.4, solids 16, bit #6 RR, 8-3/4" f3 CR-1561 cut 282' from 5578' to 5860' in 30 hours, drilling time 4 hours, lost time 20 hours--1/4 rig service and check BOP's; 2 short trip, on bank one hour; 9-1/2 circulate and condition hole and mud for DST #2, hole caving badly; 6 trip out for DST #2; 2-1/4 DST #2. DST #2. MRS

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Depth 5860', packers 5807' and 5816'

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June 8, 1983:

Depth 5893', 33', days 17, pump 1000, table 60, wt on bit 20 tons, mud wt 10.5, vis 43, sand 1/4%, wl 8, fc 2/32, ph 11.5, solids 15, bit #6 RR, 8-3/4" f3 CR-1561 cut 33' from 5860' to 5893' in 3 1/4 hours, drilling time 3 1/4 hours, lost time 20-3/4 hours--14 1/4 DST #2; 2 1/4 trip in hole; 2 circulate for logs; 2 1/4 trip out for logs. Waiting on Dresser. MRS

June 9, 1983:

Depth 5893', 0', days 18, pump 1000, mud wt 10.5, vis 41, sand 1/4%, wl 8, fc 2/32, ph 11, solids 15, drilling time 0 hours, lost time 24 hours--5 wait on Dresser Atlas; 10-1/4 log; 2 trip in hole; 1-1/2 circulate; 4-1/4 lay down drill pipe and drill collars; 1 rig up to run casing. Rig up to run casing. MRS

Patterson Unit Well No. 3

June 7, 1983:

Depth 5860', 48', days 16, pump 1200, table 60, wt on bit 20 tons, mud wt 10.6, vis 41, sand trace, wl 7.2, fc 2/32, ph 10.4, solids 16, bit #6 RR, 8-3/4" f3 CR-1561 cut 282' from 5578' to 5860' in 30 hours, drilling time 4 hours, lost time 20 hours--1/4 rig service and check BOP's; 2 short trip, on bank one hour; 9-1/2 circulate and condition hole and mud for DST #2, hole caving badly; 6 trip out for DST #2; 2-1/4 DST #2. DST #2. MRS

Drill Stem Test #2

Depth 5860', packers 5807' and 5816'

Desert Creek, 5815-5826', 12 unit gas increase

IO 30 mins, ISI 120 mins, FO 240 mins, FSI 360 mins, 1st open strong, no gas to surface, 2nd open strong decreasing to medium, no gas to surface, recovered 95' gas and oil cut mud (7.8 ppg, oil trace, Rw 0.32%, 10,200 ppm), 5' oil, MFE .06 cubic feet gas, 1400 cc oil and mud (20 psi, 8.5 ppg, Rw 0.2%, 225,000 ppm), pit mud 10.5 ppg, Rw 1.75%, 3000 ppm, IHP 3530, IOFP's 61-61, ISIP 107, FOFP's 61-61, FSIP 709, FHP 3503, BHT 129°F.

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June 9, 1983:

Depth 5893', 0', days 18, pump 1000, mud wt 10.5, vis 41, sand 1/4%, wl 8, fc 2/32, ph 11, solids 15, drilling time 0 hours, lost time 24 hours--5 wait on Dresser Atlas; 10-1/4 log; 2 trip in hole; 1-1/2 circulate; 4-1/4 lay down drill pipe and drill collars; 1 rig up to run casing. Rig up to run casing. MRS

June 10, 1983:

Depth 5893', 0', days 19, drilling time 0 hours, lost time 10 hours--3 1/2 run 145 joints 5 1/2" OD, 17#, K-55, 8 rd thrd, ST&C and LT&C casing, landed at 5887.53' KBM; 3/4 rig up and circulate casing with rig pump; 1-1/4 cement with 805 sacks 50-50 Pozmix A, good returns, bumped plug with 1900 psi, float held okay, cement in place at 11:30 A.M., 6/9/83; 1-1/2 set slips on casing with 65,000 pounds on slips; 3 cleaned mud pits. MRS

RIG RELEASED 4:00 P.M., 6/9/83.

Amella

Patterson Unit Well No. 3

June 7, 1983:

Depth 5860', 48', days 16, pump 1200, table 60, wt on bit 20 tons, mud wt 10.6, vis 41, sand trace, wl 7.2, fc 2/32, ph 10.4, solids 16, bit #6 RR, 8-3/4" f3 CR-1561 cut 282' from 5578' to 5860' in 30 hours, drilling time 4 hours, lost time 20 hours--1/4 rig service and check BOP's; 2 short trip, on bank one hour; 9-1/2 circulate and condition hole and mud for DST #2, hole caving badly; 6 trip out for DST #2; 2-1/4 DST #2. DST #2. MRS

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Depth 5860', packers 5807' and 5816'

Desert Creek, 5815-5826', 12 unit gas increase

IO 30 mins, ISI 120 mins, FO 240 mins, FSI 360 mins, 1st open strong, no gas to surface, 2nd open strong decreasing to medium, no gas to surface, recovered 95' gas and oil cut mud (7.8 ppg, oil trace, Rw 0.32%, 10,200 ppm), 5' oil, MFE .06 cubic feet gas, 1400 cc oil and mud (20 psi, 8.5 ppg, Rw 0.2%, 225,000 ppm), pit mud 10.5 ppg, Rw 1.75%, 3000 ppm, IHP 3530, IOFP's 61-61, ISIP 107, FOFP's 61-61, FSIP 709, FHP 3503, BHT 129°F.

June 8, 1983:

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June 9, 1983:

Depth 5893', 0', days 18, pump 1000, mud wt 10.5, vis 41, sand 1/4%, wl 8, fc 2/32, ph 11, solids 15, drilling time 0 hours, lost time 24 hours--5 wait on Dresser Atlas; 10-1/4 log; 2 trip in hole; 1-1/2 circulate; 4-1/4 lay down drill pipe and drill collars; 1 rig up to run casing. Rig up to run casing. MRS

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Depth 5893', 0', days 19, drilling time 0 hours, lost time 10 hours--3 1/2 run 145 joints 5 1/2" OD, 17#, K-55, 8 rd th d, ST&C and LT&C casing, landed at 5887.53' KBM; 3/4 rig up and circulate casing with rig pump; 1-1/4 cement with 805 sacks 50-50 Pozmix A, good returns, bumped plug with 1900 psi, float held okay, cement in place at 11:30 A.M., 6/9/83; 1-1/2 set slips on casing with 65,000 pounds a slips; 3 cleaned mud pits. MRS

RIG RELEASED 4:00 P.M., 6/9/83.

Casing Report

KB 5341.85'

Landed 5-1/2" OD, 15.5#, K-55, 8 rd thrd, LT&C casing at 5887.18' KBM or 13.85' below KB, circulated casing 1/2 hour with rig pump prior to cementing, cemented with 805 sacks 50-50 Pozmix A cement with 2% gel, displaced with 139 barrels fresh water, had good returns while circulating, mixing and displacing, bumped plug to 1900 psi, floating equipment held okay, plug down at 11:30 A.M., 6/9/83.

Well #

WELL Wexpro Company
 Patterson Unit #3
 SW NE 5-38S-25E
 San Juan, Utah

The following information and reports pertaining to the above captioned well have been incorporated into our files and copies of each have been forwarded to the Dallas office and other interested parties on the date indicated.

	Well File	John Garcia Dallas	Jim Jordan	Jill Gray					
A. Location Plat	*12/29/82	*12/29/82	*12/29/82	*12/29/82					
B. Sundry (workover) Application for Permit to Drill	8/3/83								
1. State (Unapproved)***									
(Approved)	*12/29/82	*12/29/82	*12/29/82	*12/29/82					
2. Federal (Form 9-331-C) w/NTL-6* (Unapproved)**									
(Approved)									
3. Sundry Notices (Form 9-331)*** Sundry Notices & Reports on Wells Monthly activity report	4/5/83								
C. Geological Prognosis & DRUG PLAN	*12/29/82	*12/29/82	*12/29/82	*12/29/82					
D. Electrical Logs									
1. Field Prints Geo-com Log-									
A. Run #1 Comp. NEUTRON LOG-									
B. Dens. LOG, DI Focused log PROLOG Field ANALYSIS	6/21/83	6/27/83	6/27/83						
C. Run #2									
D.									
E. Run #3									
2. Final Prints									
A. Run #1									
B.									
C. Run #2									
D.									
E. Run #3									
E. Core Analysis Reports									
1. Report #1									
2. Report #2									
3. Report #3									
F. Drill Stem Tests Reports									
1. Test #1	6/21/83	6/23/83							
2. Test #2	6/21/83	6/23/83							
3. Test #3									
4. Test #4									
5. Test #5									
G. Geological Well Completion Report									

* Re-sent DATA 5/25/83 - sent to all above

	Well File	Dallas								
H. Other Geologic Data (specify)										
1.										
2.										
I. Abandonment Reports										
1. State Abandonment Reports (plugging & log of well) (unapproved)**										
(approved)										
2. Federal*										
A. Sundry Notices (Form 9-331)										
1. (unapproved)										
2. (approved)										
B. Well completion Report and Log (Form 9-330)	9/12/83	9/12/83	9/12/83	9/12/83						
J. Misc. Geologic Data										
1. Well DATA BOOK	6/2/83									
2.										
3.										
4.										
5.										

*Applicable on wells drilled on U.S.A. leases
 **Applicable only on Placid Operated Wells
 ***If applicable, see attached sheet

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Wexpro Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, WY 82902

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: SW NE, 1650' FNL, 1650' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-11668

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Patterson

8. FARM OR LEASE NAME
Unit

9. WELL NO.
3

10. FIELD OR WILDCAT NAME
Undesignated

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
5-38S-25E, 31P&M

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. API NO.
43-037-30878

15. ELEVATIONS (SHOW DF, KDB, AND WD)
KB 5341.8 GR 5328.8

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Supplemental History <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

(NOTE: Report results for multiple completion or zone change on Form 9-331-C.)

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

Rigged up workover rig to begin completion operations 7/6/83
Released rig 7/13/83. Performing production tests.

Subsurface Safety Valve: Manu. and Type _____ Ft.

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

SIGNED A. J. Maser TITLE Drlg. Supt. DATE July 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Wexpro Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, WY 82902

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: SW NE, 1650' FNL, 1650' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Supplemental History <input checked="" type="checkbox"/>	X

5. LEASE
U-11668

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
--

7. UNIT AGREEMENT NAME
Patterson

8. FARM OR LEASE NAME
Unit

9. WELL NO.
3

10. FIELD OR WILDCAT NAME
Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
5-38S-25E SLB&M

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. API NO.
43-037-30878

15. ELEVATIONS (SHOW DF, KDB, AND WD)
KB 5341.85' GR 5328'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

Total depth of 5893' reached June 8, 1983, WOCT.

Subsurface Safety Valve: Manu. and Type _____

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

SIGNED Paul Martin TITLE Ass't Drlg Supt DATE June 28, 1983

(This space for Federal or State office use)

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

PLACID OIL COMPANY

INTER-COMPANY

CORRESPONDENCE

PLACE Denver, Colorado

DATE June 22, 1983

Memo To: Jim Hein
District Manager

Re: Report on Patterson Unit
Well No. 3, Patterson Field
San Juan Co., Utah

The Patterson Unit Well No. 3 is a development well in the Patterson Field in the SW/SW, Sec. 32, T37S, R25E, San Juan County, Utah. It reached a total depth of 5893' on June 8, 1983, about 33' below the top of the Akah zone of the Paradox Formation and several feet above the top of the salt.

Lynes, Inc. conducted two drillstem tests for the operator, Celcius Energy Company. Drillstem Test #1 tested log porosity, drilling break, and strong gas show in the Desert Creek zone of the Paradox Formation from 5522' to 5578' (Figure 1). The reverse circulated test recovered 1081' of 41 gravity oil, indicating an average of 1.0 md permeability over the 50' of estimated pay. Given the compensated densilog and neutron logs, performance of adjacent wells, and sample log data, this result was expected.

Drillstem Test #2 tested a thin log porosity, drilling break, and weak gas show in the Desert Creek zone of the Paradox Formation. It recovered, from the tested interval of 5816' to 5860', about 5' of 39.1 gravity oil and 95' of oil and gas cut mud (Figure 1).

Rig was released and casing set on June 9, 1983. No date or depths for perforations have yet been given. On the basis of Drillstem Test #1 and a related test which resulted in gas to surface immediately and oil to surface in 173 minutes with a flow of 11.1 barrels of oil in 105 minutes, I think they will only perforate the Upper Ismay zone.

The reservoir is a dolomitized biomicrite mound. Given the moldic (after fossils) and intergranular (in dolomite) porosity mixture, initial production should be high (150 to 200 BOPD) with rapid decline to low rates (50 to 70 BOPD).

Paul V. Heinrich

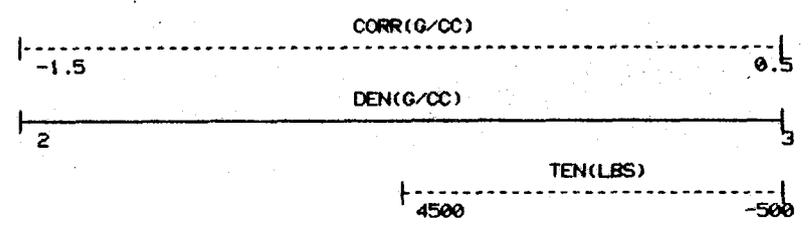
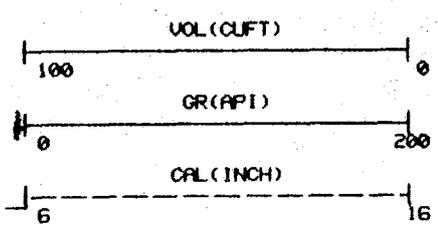
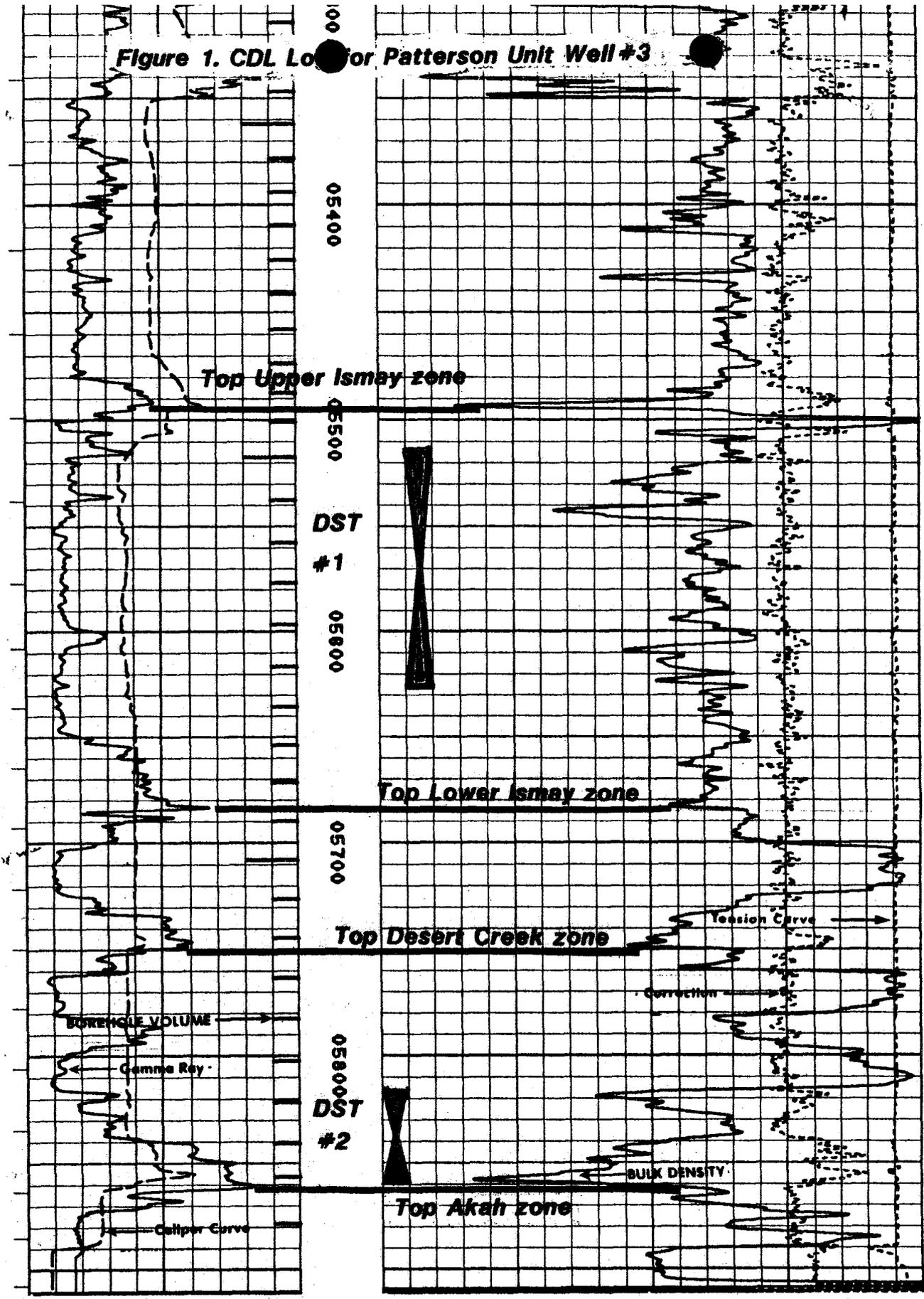
Paul V. Heinrich
Geologist

PVH/ja

attachment

Well File

Figure 1. CDL Log for Patterson Unit Well #3



PLACID OIL COMPANY

INTER-COMPANY

CORRESPONDENCE

PLACE Denver, Colorado

DATE June 22, 1983

Memo To: Jim Hein
District Manager

Re: Report on Patterson Unit
Well No. 3, Patterson Field
San Juan Co., Utah

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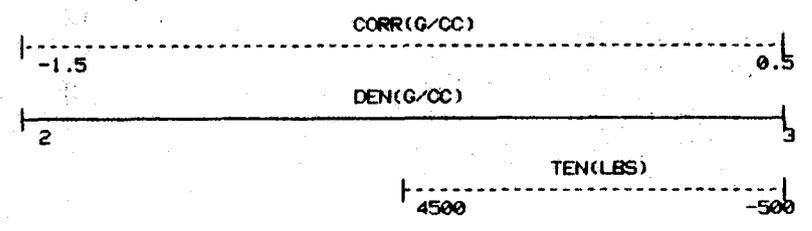
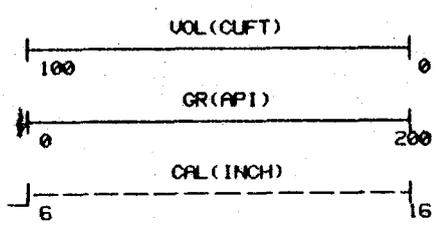
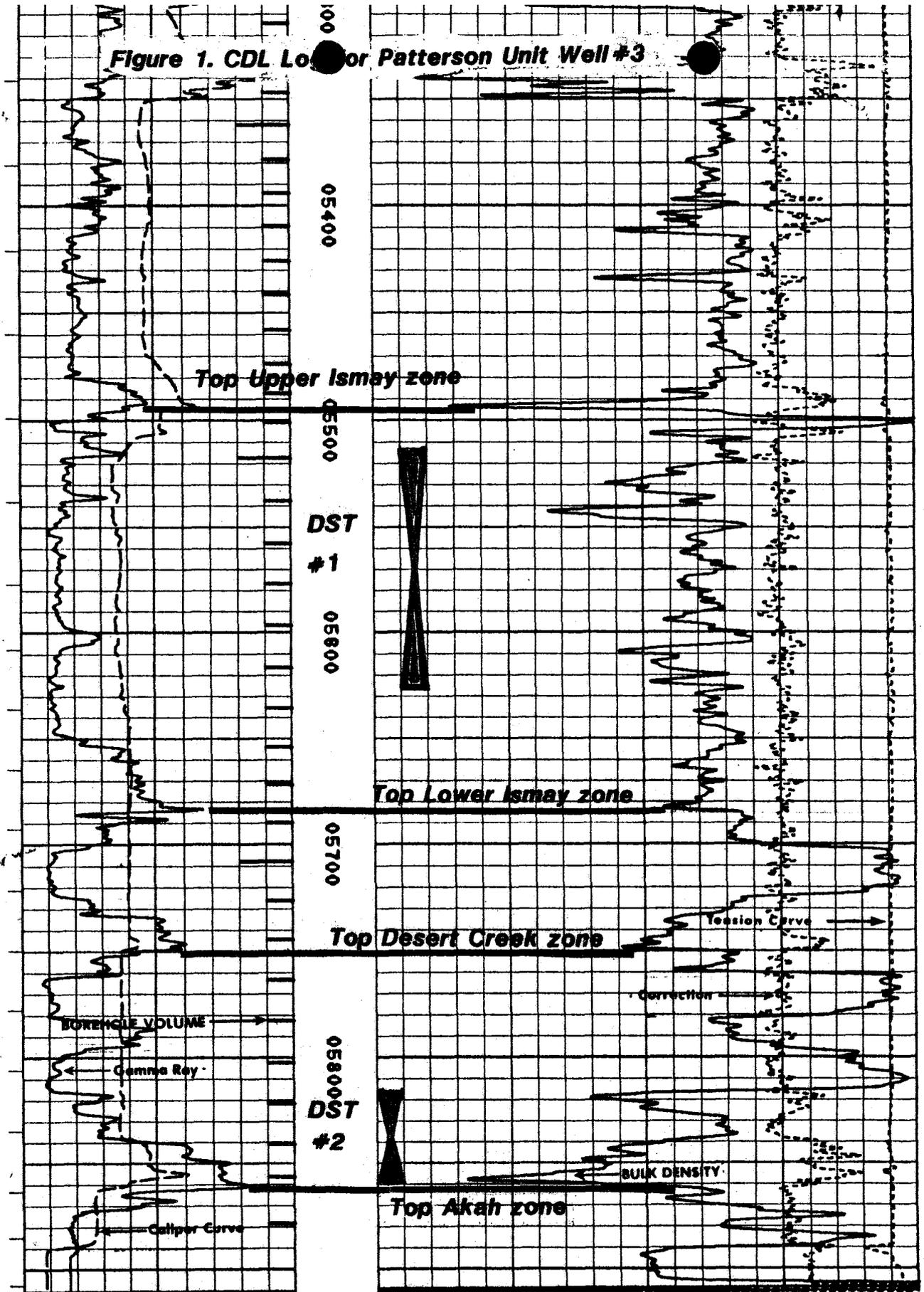
Paul V. Heinrich

Paul V. Heinrich
Geologist

PVH/ja

attachment

Figure 1. CDL Log for Patterson Unit Well #3



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Wexpro Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, WY 82902

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: SW NE, 1650' FNL, 1650 FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE
U-11668

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Patterson

8. FARM OR LEASE NAME
Unit

9. WELL NO.
3

10. FIELD OR WILDCAT NAME
Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
5-38S-25E, SLB&M

12. COUNTY OR PARISH | 13. STATE
San Juan | Utah

14. API NO.
43-037-30878

15. ELEVATIONS (SHOW DF, KDB, AND WD)
KB 5341.85' GR 5328'

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) Supplemental History			

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

Depth 5893', drilling.

DST #1: Depth 5578', packers 5522' and 5513', Ismay, drilling break 140 unit increase, IO 30 mins, ISI 180 mins, FO 293 mins, FSI 360 mins, opened weak increasing to strong in 1 minute, gas to surface in 15 mins, final gauge was 30 mins 272 MCF, no oil, 2nd open strong, final gauge was 293 mins 522 MCF, reversed out 9 bbls oil, IHP 3124, IOFP's 190-383, ISIP 2067, FOFP's 251-661, ISIP 2083, FHP 3039.

DST #2: Depth 5860', packers 5807' and 5816', Desert Creek, 12 unit gas increase, IO 30 mins, ISI 120 mins, FO 240 mins, FSI 360 mins, 1st open strong, no gas to surface, 2nd open strong decreasing to medium, no gas to surface, IHP 3530, IOFP's 61-61, ISIP 107, FOFP's 61-61, FSIP 709, FHP 3503.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED C. J. Mason TITLE Dir. Supt. DATE June 8, 1983

(This space for Federal or State office use)

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

FDC
CNL

7/19/83

Flow test - 7am tby press 280 - Csg press 1110 -
Separator press 275 - Gas rate 175 MCF - Chk
prg 28/64" - 7 BBLs oil/hr - 3 BW/hr.

7-12-83

Patterson Unit #3

(2)

Turn well on @ 7:00 Am. Tbg press 59 - (2)

8:00 Am - Tbg press 250 - Separator press 240 -
Gas Rate 74 - $\frac{3}{4}$ " Choke - 10 BBL oil/hr - 0 BBL H₂O/hr
After 24 hrs - Tbg press 300 - Separator press 280 -
Gas Rate 79 MCF - 11 BBL oil/hr - 2 BBL H₂O/hr.

7-13-83

Test from 8 Am to 10 Am @ end of test - Tbg press 280
Separator press 260 - Gas Rate 75 MCF - Choke $\frac{3}{4}$ " -
23 BBL oil/hr - 2 BBL H₂O/hr - Installed upper
Well head - + SDFN.

7/14/83

Ru to swab - FL 2200' - Made 2 swab tests +
Well started to flow - Flow to pit 30 min - unloaded
60 BBL H₂O - Flowed separator for 4 hrs - SIW +
released sig -

7/15/83

Flow test well - Samay FM. perf 5572-5580 -
@ 1:00 pm Tbg press 400 - Csg Press 380 - Separator
press. 380 - Gas rate 57 MCF. $\frac{28}{64}$ " Choke -
0 BBL oil - 1 BBL H₂O -

7/16/83

@ 1:00 Am Tbg press 260 - Csg press - 240 -
Separator press 240 - Gas rate 107 MCF - 11 BBL
oil/hr - 2 BBL H₂O/hr.

7/17/83

@ 1:00 Am Tbg press 225 - Csg press 225 - Separator
press 210 - Gas rate 88 MCF - 7 BBL oil/hr -
2 BBL H₂O/hr.

7/18/83

@ 7:00 Am - Tbg press 250 - Csg press 225 - Separator
250 - Gas Rate 107 MCF - Choke $\frac{28}{64}$ " - 7 BBL oil/hr
0 BBL H₂O/hr.

LIST OF FIGURES

- 1). Location map of Bonetrail Prospect
- 2). Stratigraphy chart of the Williston Basin
- 3). Cross-section of North Dakota showing major unconformities and depositional sequences
- 4). Ordovician Winnipeg group, total sand percent
- 5). Genetic cycles of the Ordovician upper Red River
- 6). Areal extent of the Ordovician Red River anhydrites
- 7). Areal extent of the Stoughton member and lithology of Ordovician Gunton and Stonewall carbonates
- 8). Kaskaskia sequence stratigraphic column
- 9). Elk Point Basin at the beginning of the Kaskaskia sequence
- 10). Initial transgressive-regressive cycle of the Elk Point group
- 11). Winnipegosis depositional environments
- 12). Upper Devonian Jefferson group isopach map
- 13). Cycle classifications of the Devonian Duperow, Billings Nose area
- 14). Mississippian formations of the Williston Basin
- 15). Williston Basin Madison group stratigraphic equivalents
- 16). Sequential development of the early Mississippian, Montana Trough and adjacent shelves
- 17). Depositional settings of the Mission Canyon, Little Knife Field
- 18). Stratigraphic classification of the Absaroka sequence

7/7/83

Patterson Unit #3

(1)

RU workover Rig - I stalled BOP PU 187 gts 2-7/8"

Tbg - Ran csq scraper + bit to PB depth 55841
Press TST csq to 300 psi - Held OK - Pulled Tbg -
+ csq scraper. SDFN -

7/8/83

RU OWP - Ran Bond log - POTD 5772 - Cmt Top

@ 3720 - Bonding looked poor - Press csq
to 1000 psi - Reran bond - Bonding improved
Prof to 5572 - 5580' - w/ 1 SPK - Ran set,
phs on 2 7/8" tbg - SDFN -

7/9/83

Set phs 5540' - RU + press test surface lines
450 psi. Acidize w/ 600 gal 28% HCL - @ 23 BBL/min
average press 2450 psi - Flowed well back 2
hrs - Rev. load + acidize H₂O - Turns to separator
@ 2:30 pm - @ 7:30 pm Tbg press 2220 - Separate
180 gal 167 MCF - Choke 3/4" - 12 BBL oil/hr -
9 BBL H₂O/hr - SIW -

7/10/83

7:00 AM - Turned well on - @ 5:00 pm - Tbg press
220 + Separate 200 gal rate 215 MCF - 3/4" Choke
11 BBL oil/hr - 5 BBL H₂O/hr. SIW -

7/11/83

7:30 AM - Turned well on @ 4:30 PM - Tbg press
260 - Separate press 260 - gas rate 80 MCF
3/4" Choke - 6 BBL oil/hr - 2 BBL H₂O/hr -
SIW.

- 19). Sediment distribution in the Cretaceous Western Interior Basin
- 20). Gross facies changes in the Cretaceous Northern Williston Basin
- 21). Williston Basin Mississippian structure
- 22). Block framework compared with oil and gas localizations
- 23). Structural development in the Sioux Pass Field area
- 24). Producing Formations of the Williston Basin
- 25). Production map of Bonetrail Prospect area
- 26). Production map of Missouri Ridge Field
- 27). Red River stratigraphic cross-section, Missouri Ridge Field
- 28). Red River structural cross-section, Missouri Ridge Field
- 29). Location map of Marmon and Good Luck Fields
- 30). Red River porosity model
- 31). Red River "C" cycle net porosity and net tight dolomite maps, Missouri Ridge Field
- 32). Isopach of net porosity, Bonetrail Prospect
- 33). Ordovician Stonewall-Gunton structural cross-section, Missouri Ridge Field
- 34). Land evaluation of Bonetrail Prospect

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Wexpro Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, WY 82902

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: SW NE, 1650' FNL, 1650' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-11668

6. IF INDIAN, ALL OR PART OF INDIAN OR TRIBE NAME
--

7. UNIT AGREEMENT NAME
Patterson

8. FARM OR LEASE NAME
Unit

9. WELL NO.
3

10. FIELD OR WILDCAT NAME
Undesignated

11. SEC., T., R., AND S. AND SW, NE, SE, OR NW QUARTER OR AREA
5-38S-25E-66M

12. COUNTY OR STATE
San Juan

13. STATE
UT

14. API NO.
43-037-308

15. ELEVATIONS (FEET) (DF, K, D, AND S) (WD)
KB 5341.8

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Supplemental History <input type="checkbox"/>	

(NOTE: Report results of multiple completions or zone change only on Form 9-330.)

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

Total Depth 5893', Rig Released 4:00 P.M., 6/9/83, WOCT.
Landed 5-1/2" OD, 15.5#, K-55, 8 rd thrd, LT&C casing at 13.85' below KB, circulated casing 1/2 hour with rig pump, 805 sacks 50-50 Pozmix A with 2% gel, displaced with 139 good returns, plug down at 11:30 A.M., 6/9/83.

Subsurface Safety Valve: Manu. and Type _____

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

SIGNED C. J. Miller TITLE Dir. Supt. DATE July 13, 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

File
xc-Joc. Dallas

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.
MINERAL MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 Wexpro Company

3. ADDRESS OF OPERATOR
 P. O. Box 458, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface SW NE 1650' FNL, 1650' FEL
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 14 miles north northeast of Hatch Trading Post

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1650

16. NO. OF ACRES IN LEASE n/a

17. NO. OF ACRES ASSIGNED TO THIS WELL -

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1745

19. PROPOSED DEPTH 5890

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) GR 5328

22. APPROX. DATE WORK WILL START* Upon approval

5. LEASE DESIGNATION AND SERIAL NO. U-11668 RECEIVED

6. IF INDIAN, ALLOTTEE OR TRIBE NAME - NOV 11 1982

7. UNIT AGREEMENT NAME Paterson LAKE CITY, UTAH

8. FARM OR LEASE NAME Unit

9. WELL NO. 3

10. FIELD AND POOL, OR WILDCAT Ismay

11. SEC., T., R., M., OR B.L.E. AND SURVEY OR AREA 5-38S-25E., SLB&M

12. COUNTY OR PARISH San Juan

13. STATE Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4	9-5/8	36	1750	950 sx w/2% CaCl ₂ , 1/4# flocele
8-3/4	5-1/2	17	5890	To be determined

See attached drilling plan.

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

24. SIGNED A. J. Maser TITLE Drilling Superintendent DATE November 2, 1982
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY W. P. Mautus FOR E. W. GUYNN DATE NOV 30 1982
 CONDITIONS OF APPROVAL, IF ANY: TITLE DISTRICT OIL & GAS SUPERVISOR

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

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

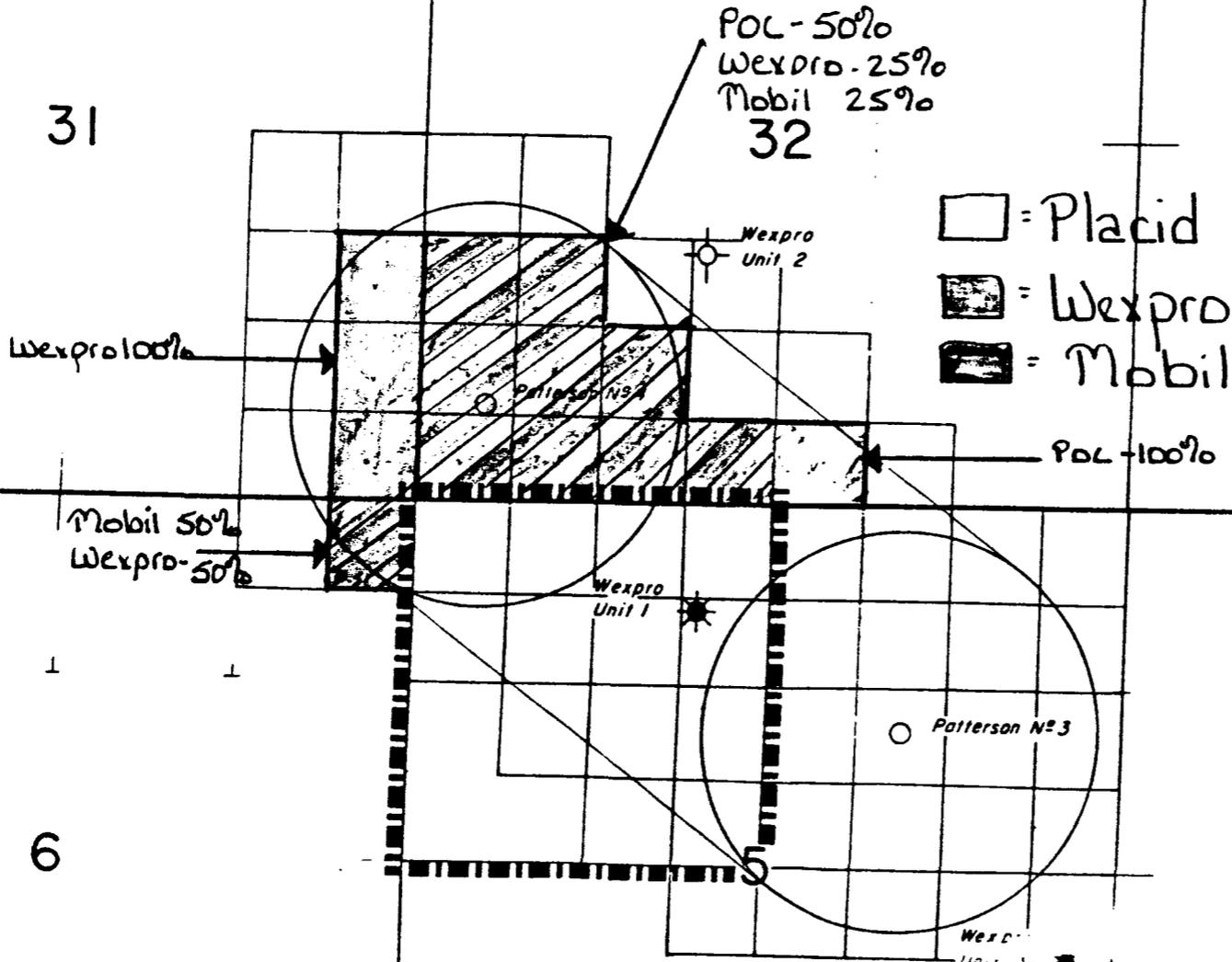
Director

R 25 E

31

32

33



Interest in 140.31 area
is as follows:

POL	- 39.19892%	(55.0022)
Wexpro	- 41.09115%	(57.6520)
Mobil	- 19.70993%	(27.6520)

dryhole cost = \$470,647.00
 Producer = \$708,423.00
 POL's share of dryhole = \$184,488.54
 " of Prod = \$271,694.16

4

GEOLOGIC PROGNOSIS

Page 2

WELL NAME: Patterson Unit #3DATE: October 14, 1982

Drill Stem Tests:	<u>Test</u>	<u>Depth or Formation</u>
	1	5530' Ismay Porosity

Coring:	<u>Interval</u>	<u>Depth or Formation</u>
	None	

Mud Logging Unit:	<u>Type</u>	<u>Depth On</u>	<u>Depth Off</u>
	Fully-manned	4300'	Total Depth

Samples:	<u>Interval</u>	<u>From</u>	<u>To</u>	<u>Caught By</u>
	10'	Surface	4300'	Contractor
	10'	4300'	TD	Mud logging unit

Mechanical Logs:	<u>Log Type</u>	<u>Depth On</u>	<u>Depth Off</u>
	DIL-SP	Surface Csg	Total Depth
Sidewall Neutron w/GR & Caliper	Dipmeter	Surface Csg	Total Depth (run Gamma Ray to surface)
		2000'	Total Depth

Well Classification: C-100%

Spacing and/or State Regulation: Area is unspaced, footage tolerance is not less than 500' from legal subdivision boundaries.

Miscellaneous:	H ₂ S --	None
	Coal --	None
	Minerals --	Salt, top expected 5885'
	Water --	None
	BHT --	130 ⁰ F
	Lost Circulation --	None
	Hole Deviation --	None
	Abnormal Pressures --	None
	Unusual Drilling Formations --	None
	Terrain Problems --	None

Special Drilling Instructions -- Drill well with low water loss mud from 5000' to TD to improve mechanical logs. Keep chlorides down below 5000 ppm.

Geological Well Responsibility: Greg Martin: Farmington, NM
 Office: (505) 327-3344
 Home: (505) 325-4428

INTEROFFICE COMMUNICATION

FROM J. B. Golden

Salt Lake City
CITY

Utah
STATE

TO J. M. Hummel

DATE October 14, 1982

SUBJECT GEOLOGIC PROGNOSIS *Revised

LAND	
UNIT	
GEOL	J.B.G.

Well Name: Patterson Unit Well #3
Area or Field: Patterson Unit

(1650' FEL 1650' FNL) if possible

Location: SW 1/4 NE 1/4 Section 5 Township 38 South Range 25 East
County: San Juan State: Utah

Lease No: _____ Company No: _____

Drilling Commitment Date: _____

Name, Depth, Status, and Location of Nearest Well: Patterson Unit #1 - TD 5888' - Oil & Gas Well (Ismy Porosity Zone)
NE NW Section 5, T38S, R25E
San Juan County, Utah

Nearest Well Penetrating Objective: Same as Above

Elevation: Esimated Surveyed
GR: 5320' GR: _____
KB: 5335' KB: _____

Formation and/or Marker Tops:	<u>Formation or Marker</u>	<u>Depth</u>	<u>Sea Level Datum</u>
	Morrison	Surface	
	Entrada	675'	+ 4660'
	Carmel	840'	+ 4495'
	Navajo	870'	+ 4465'
	Chinle	1650'	+ 3685'
	Shinarump	2430'	+ 2905'
	Cutler	2565'	+ 2770'
	Honaker Trail	4470'	+ 865'
	Paradox	4975'	+ 360'
	Upper Ismay	5355'	- 20'

(con't on back)

Total Depth: 5890'

Drilling Commitment Depth: _____

Major Objective Reservoir:	<u>Reservoir</u>	<u>Depth</u>	<u>Oil or Gas</u>
	Ismy Porosity	5530'	Oil

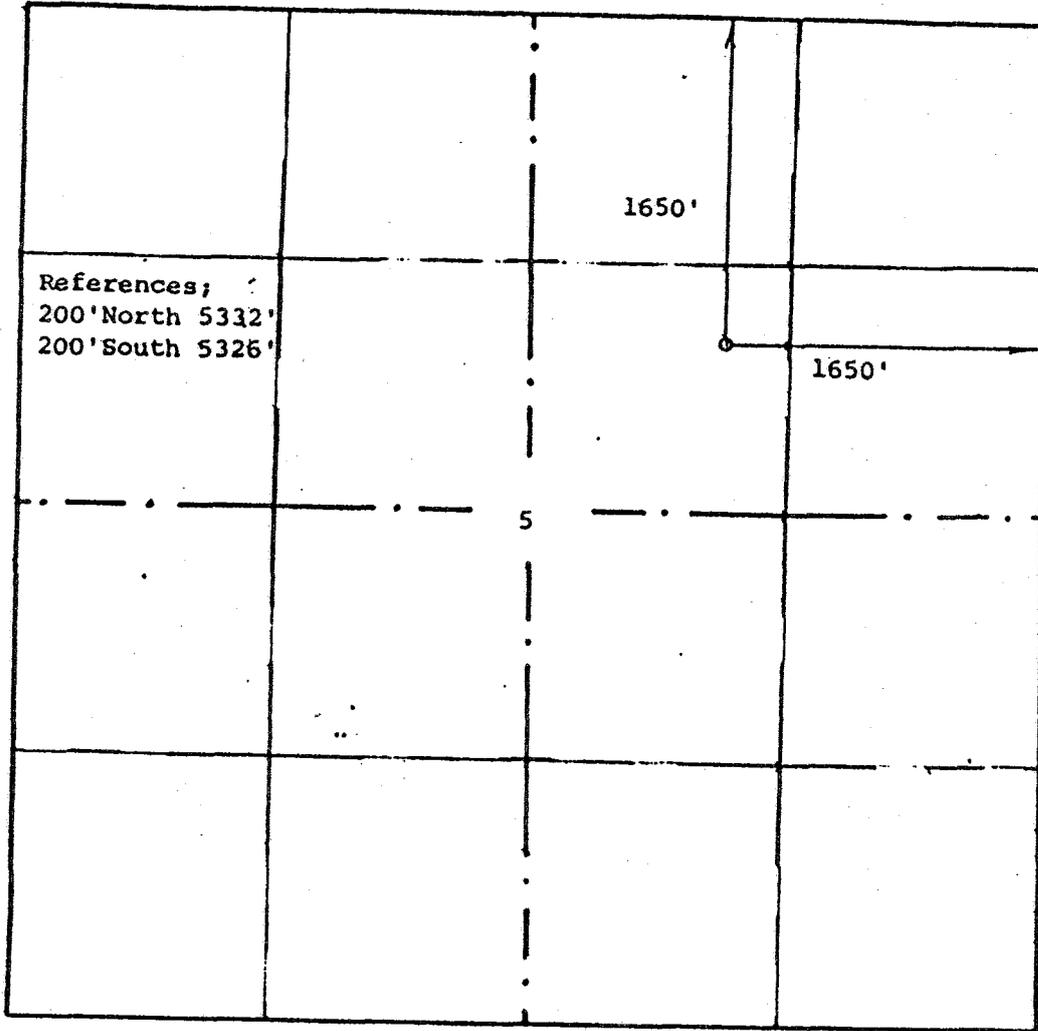
Other Possible Producing Zones:	<u>Reservoir</u>	<u>Depth</u>	<u>Oil or Gas</u>
	Honaker Trail	4470'	Gas
	Lower Bench Desert Creek	5800'	Oil

<u>Formation or Marker</u>	<u>Depth</u>	<u>Sea Level Datum</u>
Base 2nd Shale	5500'	- 165'
Ismay Porosity	5530'	- 195'
Lower Ismay Shale	5635'	- 300'
"B" Zone	5735'	- 400'
Desert Creek	5755'	- 420'
Lower Bench	5800'	- 465'
Salt	5885'	- 550'



POWERS ELEVATION

Well Location Plat



1"=1000'

"as graded elevation 5328'"

Operator Wexpro Co.		Well name Patterson Unit # 3	
Section 5	Township 38 South	Range 25 East	Meridian Salt Lake
Footages 1650'FNL & 1650'FEL			County/State San Juan, Utah
Elevation 5330'	Requested by Jennifer Head		
The above plat is true and correct to the best of my knowledge and belief.			
26 October 1982		 Gerald G. Huddleston, L.S. Utah Exception	

Drilling Plan
Wexpro Company
Patterson Unit Well No. 3
San Juan County, Utah

1. SURFACE FORMATION: Morrison
2. ESTIMATED TOPS AND WATER, OIL, GAS OR MINERAL BEARING FORMATIONS:

3. Entrada	675'	
Carmel	840	
Navajo	870	- fresh water
Chinle	1650	
Shinarump	2430	
Cutler	2565	
Honaker Trail	4470	- possible gas
Paradox	4975	
Upper Ismay	5355	
Base 2nd Shale	5500	
Ismay Porosity	5530	- possible oil
Lower Ismay Shale	5635	
B Zone	5735	
Desert Creek	5755	
Lower Bench	5800	- possible oil
Salt	5885'	

CASING PROGRAM:

Footage	Size	Grade	Wt.	Condition	Thread	Cement
1750	9-5/8	K-55	36	New	8rd, LT&C	950 sx w/2% CaCl ₂ , 1/4# flocele
5890	5-1/2	K-55	17	New	8rd, LT&C	To be determined

PRESSURE CONTROL EQUIPMENT: See attached diagram. Operator's minimum specifications for pressure control equipment requires a 10-inch 3000 psi double gate blowout preventer. Surface casing and all preventer rams will be pressure tested to 1000 psi for 15 minutes using rig pump and mud. BOP's will be checked daily as to mechanical operating condition and will be tested by rig equipment after each string of casing is run. All ram type preventers will have hand wheels which will be operative at the time the preventers are installed.

MUD PROGRAM: Gel water base mud with minimum properties from surface to total depth. Sufficient mud material to maintain mud properties, control lost circulation and to contain blowout will be available at the wellsite.

AUXILIARY EQUIPMENT:

- A. Manually operated kelly cock.
- B. No floats at bit.
- C. Monitoring of mud system will be visual.
- D. Full opening floor valve manually operated.

LOGGING: DIL-SP, Sidewall Neutron with GR and Caliper from surface casing to total depth (GR to surface).
Dipmeter from 2000' to total depth.

TESTING: 1 DST at 5530' (Ismay Porosity).

CORING: None

ABNORMAL PRESSURE AND TEMPERATURE: No abnormal pressure expected. BHT of 130°F is anticipated.

ANTICIPATED STARTING DATE: Upon approval.

DURATION OF OPERATION: 25 days drilling, 3-4 days completion.

GEOLOGIC PROGNOSIS

Page 2

WELL NAME: Patterson Unit #3DATE: October 14, 1982

Drill Stem Tests:	<u>Test</u>	<u>Depth or Formation</u>
	1	5530' Ismay Porosity

Coring:	<u>Interval</u>	<u>Depth or Formation</u>
	None	

Mud Logging Unit:	<u>Type</u>	<u>Depth On</u>	<u>Depth Off</u>
	Fully-manned	4300'	Total Depth

Samples:	<u>Interval</u>	<u>From</u>	<u>To</u>	<u>Caught By</u>
	10'	Surface	4300'	Contractor
	10'	4300'	TD	Mud logging unit

Mechanical Logs:	<u>Log Type</u>	<u>Depth On</u>	<u>Depth Off</u>
	DIL-SP	Surface Csg	Total Depth
Sidewall Neutron w/GR & Caliper Dipmeter		Surface Csg 2000'	Total Depth (run Gamma Ray to surface) Total Depth

Well Classification: C-100%

Spacing and/or State Regulation: Area is unspaced, footage tolerance is not less than 500' from legal subdivision boundaries.

Miscellaneous:

H₂S -- None

Coal -- None

Minerals -- Salt, top expected 5885'

Water -- None

BHT -- 130⁰ F

Lost Circulation -- None

Hole Deviation -- None

Abnormal Pressures -- None

Unusual Drilling Formations -- None

Terrain Problems -- None

Special Drilling Instructions -- Drill well with low water loss mud from 5000' to TD to improve mechanical logs. Keep chlorides down below 5000 ppm.

Geological Well Responsibility: Greg Martin: Farmington, NM
Office: (505) 327-3344
Home: (505) 325-4428

<u>Formation or Marker</u>	<u>Depth</u>	<u>Sea Level Datum</u>
Base 2nd Shale	5500'	- 165'
Ismay Porosity	5530'	- 195'
Lower Ismay Shale	5635'	- 300'
"B" Zone	5735'	- 400'
Desert Creek	5755'	- 420'
Lower Bench	5800'	- 465'
Salt	5885'	- 550'

INTEROFFICE COMMUNICATION

FROM J. B. Golden Salt Lake City Utah
CITY STATE

TO J. M. Hummel DATE October 14, 1982

SUBJECT GEOLOGIC PROGNOSIS *Revised

LAND	
UNIT	
GEOL	<i>90.3</i>

Well Name: Patterson Unit Well #3
 Area or Field: Patterson Unit

(1650' FEL 1650' FNL) if possible

Location: SW 1/4 NE 1/4 Section 5 Township 38 South Range 25 East
County: San Juan State: Utah

Lease No: _____ Company No: _____

Drilling Commitment Date: _____

Name, Depth, Status, and Location of Nearest Well: Patterson Unit #1 - TD 5888' - Oil & Gas Well (Ismay Porosity Zone)
NE NW Section 5, T38S, R25E
San Juan County, Utah

Nearest Well Penetrating Objective: Same as Above

Elevation: Esimated Surveyed

GR: 5320' GR: _____
 KB: 5335' KB: _____

<u>Formation and/or Marker Tops:</u>	<u>Formation or Marker</u>	<u>Depth</u>	<u>Sea Level Datum</u>
	Morrison	Surface	
	Entrada	675'	+ 4660'
	Carmel	840'	+ 4495'
	Navajo	870'	+ 4465'
	Chinle	1650'	+ 3685'
	Shinarump	2430'	+ 2905'
	Cutler	2565'	+ 2770'
	Honaker Trail	4470'	+ 865'
	Paradox	4975'	+ 360'
	Upper Ismay	5355'	- 20'

(con't on back)

Total Depth: 5890'

Drilling Commitment Depth: _____

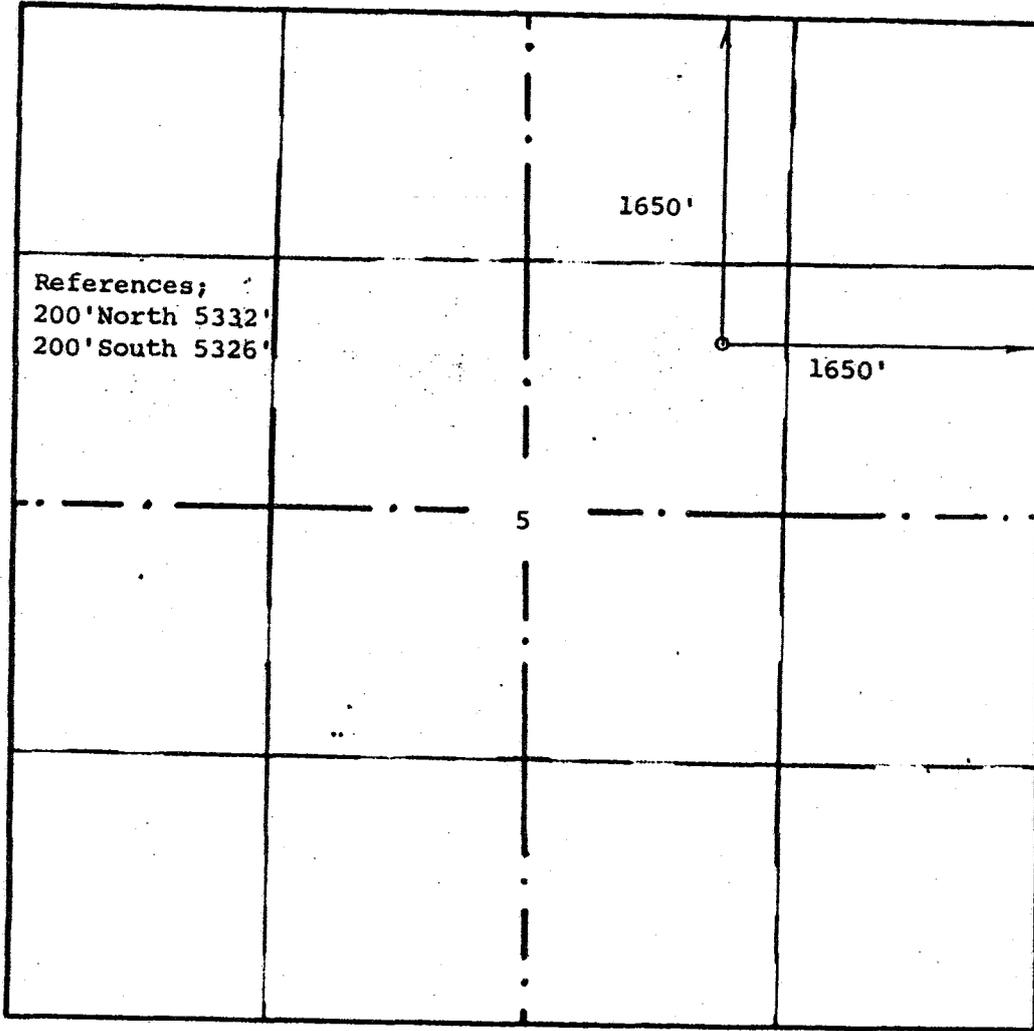
<u>Major Objective Reservoir:</u>	<u>Reservoir</u>	<u>Depth</u>	<u>Oil or Gas</u>
	Ismay Porosity	5530'	Oil

<u>Other Possible Producing Zones:</u>	<u>Reservoir</u>	<u>Depth</u>	<u>Oil or Gas</u>
	Honaker Trail	4470'	Gas
	Lower Bench Desert Creek	5800'	Oil



POWERS ELEVATION

Well Location Plat



1"=1000'

"as graded elevation 5328'"

Operator Wexpro Co.		Well name Patterson Unit # 3	
Section 5	Township 38 South	Range 25 East	Meridian Salt Lake
Footages 1650'FNL & 1650'FEL		County/State San Juan, Utah	
Elevation 5330'	Requested by Jennifer Head		
The above plat is true and correct to the best of my knowledge and belief.			
26 October 1982		 Gerald G. Huddleston, L.S. Utah Exception	

Drilling Plan
Wexpro Company
Patterson Unit Well No. 3
San Juan County, Utah

1. SURFACE FORMATION: Morrison
2. ESTIMATED TOPS AND WATER, OIL, GAS OR MINERAL BEARING FORMATIONS:

3. Entrada	675'
Carmel	840
Navajo	870 - fresh water
Chinle	1650
Shinarump	2430
Cutler	2565
Honaker Trail	4470 - possible gas
Paradox	4975
Upper Ismay	5355
Base 2nd Shale	5500
Ismay Porosity	5530 - possible oil
Lower Ismay Shale	5635
B Zone	5735
Desert Creek	5755
Lower Bench	5800 - possible oil
Salt	5885'

CASING PROGRAM:

<u>Footage</u>	<u>Size</u>	<u>Grade</u>	<u>Wt.</u>	<u>Condition</u>	<u>Thread</u>	<u>Cement</u>
1750	9-5/8	K-55	36	New	8rd, LT&C	950 sx w/2% CaCl ₂ , 1/4# flocele
5890	5-1/2	K-55	17	New	8rd, LT&C	To be determined

PRESSURE CONTROL EQUIPMENT: See attached diagram. Operator's minimum specifications for pressure control equipment requires a 10-inch 3000 psi double gate blowout preventer. Surface casing and all preventer rams will be pressure tested to 1000 psi for 15 minutes using rig pump and mud. BOP's will be checked daily as to mechanical operating condition and will be tested by rig equipment after each string of casing is run. All ram type preventers will have hand wheels which will be operative at the time the preventers are installed.

MUD PROGRAM: Gel water base mud with minimum properties from surface to total depth. Sufficient mud material to maintain mud properties, control lost circulation and to contain blowout will be available at the wellsite.

AUXILIARY EQUIPMENT:

- A. Manually operated kelly cock.
- B. No floats at bit.
- C. Monitoring of mud system will be visual.
- D. Full opening floor valve manually operated.

LOGGING: DIL-SP, Sidewall Neutron with GR and Caliper from surface casing to total depth (GR to surface).
Dipmeter from 2000' to total depth.

TESTING: 1 DST at 5530' (Ismay Porosity).

CORING: None

ABNORMAL PRESSURE AND TEMPERATURE: No abnormal pressure expected. BHT of 130°F is anticipated.

ANTICIPATED STARTING DATE: Upon approval.

DURATION OF OPERATION: 25 days drilling, 3-4 days completion.

Ann 12
Paul
Prospect File
Well File

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

MINERAL MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.
U-11668 RECEIVED

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
- Nov 11 1982

7. UNIT AGREEMENT NAME
Patterson Lake City, Utah

8. FARM OR LEASE NAME
Unit

9. WELL NO.
3

10. FIELD AND POOL, OR WILDCAT
Ismay

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
5-38S-25E., SLB&M

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
Wexpro Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface SW NE 1650' FNL, 1650' FEL
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 14 miles north northeast of Hatch Trading Post

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1650

16. NO. OF ACRES IN LEASE n/a

17. NO. OF ACRES ASSIGNED TO THIS WELL -

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1745

19. PROPOSED DEPTH 5890

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) GR 5328

22. APPROX. DATE WORK WILL START* Upon approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4	9-5/8	36	1750	950 sx w/2% CaCl, 1/4# flocele
8-3/4	5-1/2	17	5890	To be determined

See attached drilling plan.

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

24. SIGNED C. J. Maser TITLE Drilling Superintendent DATE November 2, 1982

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY W. P. Martins FOR E. W. GUYNN DATE NOV 30 1982
TITLE DISTRICT OIL & GAS SUPERVISOR

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

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

Declarator

Patterson Unit Well No. 3

Casing Report

KB 5341.85'

Landed 9-5/8" OD, 36#, K-55, 8 rd thrd, ST&C casing at 1722.20' KBM or 13.85' below KB at ground level, top of 11" 3000 psi spool is at ground level, cemented with 380 sacks Halliburton Light treated with 2% CaCl, 10# gilsonite and 1/4# flocele per sack, followed with 180 sacks Regular Class B cement treated with 3% CaCl and 1/4# flocele per sack, ran 1" line pipe to 50' and cemented with 60 sacks Regular Class B treated with 3% CaCl, had good returns while cementing, returned 50 barrels cement to surface, cement in place at 4:00 A.M., 5/25/83.

May 28, 1983:

Depth 3880', 660', days 6, pump 1100, table 700, wt on bit 17 tons, water, bit #3, 8-3/4" f2 cut 1914' from 1735' to 3649' in 19-1/4 hours, bit #4, 8-3/4" f2 cut 231' from 3649' to 3880' in 7 hours, surveys 1° at 3311' and 1/2° at 3649', drilling time 19 hours, lost time 5 hours--1/4 rig service; 4-1/2 trip; 1/4 survey. Drilling. Tom Scrum, Arapahoe

May 29, 1983:

Depth 4290', 410', days 7, pump 1100, table 65, wt on bit 17 tons, water, bit #5, 8-3/4" f3 cut 410' from 3880' to 4290' in 19-1/2 hours, drilling time 19-1/2 hours, lost time 4-1/2 hours--1/4 rig service; 4-1/4 trip for bit #5. Drilling Tom Scrum, Arapahoe

May 30, 1983:

Depth 4621', 331', days 8, pump 1100, table 70, wt on bit 17 tons, mud wt 10.2, vis 38, bit #5, 8-3/4" f3 cut 741' from 3880' to 4621' in 43-1/4 hours, drilling time 23-3/4 hours, lost time 1/4 hours--1/4 rig service and check BOP's. Drilling. Tom Scrum, Arapahoe

May 31, 1983:

Depth 4798, 177', days 9, pump 1200, table 70, wt on bit 17 tons, mud wt 10.1, vis 38, 1/2% wl 19, fc 2/32, ph 11.7, solids 18, bit #5, 8-3/4" f3 cut 912' from 3880' to 4792' in 62 hours, bit #6, 8-3/4" f3 cut 6' from 4792' to 4798' in 1 hours, survey 3/4° at 4792', drilling time 19-3/4 hours, lost time 4-1/4 hours--1/4 rig service and check BOP's; 4 survey and trip, 2" stream of salt water flow at 4280'. Drilling. Tom Scrum

Annakille

Patterson Unit Well No. 3
Wexpro Company, Operator
Lease No.: U-11668
1650' FNL, 1650' FEL
SW NE 5-38S-25E, SLB&M
San Juan County, Utah
Ground Elevation: 5328'

API No.: 43-037-30848
Projected Depth: 5890'

Drilling Contractor: Arapahoe - Rig No. 4

SPUDED MAY 23, 1983 at 3:45 A.M.

May 23, 1983:

Depth 145', 87', day 1, pump 700, table 45, wt on bit 15 tons, water, bit #1, 12 $\frac{1}{4}$ " f3 cut 87' from 58' to 145' in 2-3/4 hours, drilling time 2-3/4 hours, lost time 0 hours--spudded 12-1/4 surface at 3:45 A.M., 5/23/83. Drilling. Tom Scrum

May 24, 1983:

Depth 1318', 1173', days 2, pump 800, table 80, wt on bit 17 $\frac{1}{2}$ tons, water, bit #1, 12 $\frac{1}{4}$ " f3 cut 331' from 58' to 389' in 8-3/4 hours, bit #2, 12 $\frac{1}{4}$ " f2 cut 929' from 389' to 1318' in 12 hours, surveys 1/2° at 760', 1/2° at 1256', drilling time 20-3/4 hours, lost time 3-1/4 hours--1-3/4 trip; 1 work on pump; 1/2 rig service and survey. Drilling. HRL

May 25, 1983:

Depth 1735, 417', days 3, pump 900, table 80, wt on bit 17 $\frac{1}{2}$ tons, mud wt 9.1, vis 33, sand trace, fc 1/32, bit #2, 12 $\frac{1}{4}$ " f2 cut 1346' from 389' to 1735' in 28-1/4 hours, survey 1° at 1735', drilling time 13-1/2 hours, lost time 10-1/2 hours--1/4 rig service; 1-3/4 circulate; 1-1/4 trip out; 1 lay down 8" drill collars; 3-1/4 ran 45 jts. 9-5/8" OD, K-55, ST&C casing, landed casing at 1722.20' KBM or 13.85' below KB; 1 cement casing with 380 sacks Halliburton light treated with 2% CaCl, 10# gilsonite per sack, and 1/4# flocele per sack, followed with 180 sacks Regular cement with 3% CaCl and 1/4# flocele per sack; 1 cemented outside 9-5/8" casing with 1" pipe as follows: ran 1" line pipe 50' and cemented with 60 sacks Regular Cement with 3% CaCl, good returns throughout, returned 12 barrels slurry while cementing through 1", cement in place at 4:00 A.M., 5/25/83; 1 WOC. WOC LRW

May 26, 1983:

Depth 2105', 370', days 4, pump 1100, table 70, wt on bit 15 tons, water, bit #3, 8-3/4" f-2 cut 370' to 1735' to 2105' in 8 hours, drilling time 8 hours, lost time 16 hours--13-1/2 wait on cement, nipple up to pressure test BOP's and casing to 1500 psi, held okay; 2 pick up bottom hole assembly and trip in hole; 1/2 drill 30' cement, float collar and guide shoe. Drilling. LRW

May 27, 1983:

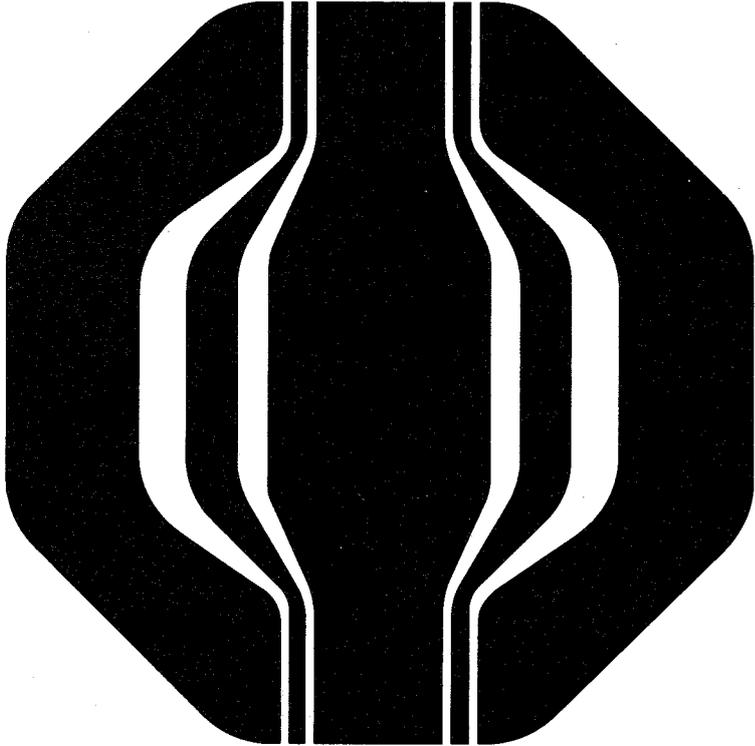
Depth 3220', 1115', days 5, pump 1100, table 70, wt on bit 17 tons, water, bit #, 8-3/4" f2 cut 1485' from 1735' to 3220' in 31 hours, surveys 1° at 2290' and 1° at 2816', drilling time 23 hours, lost time 1 hour--1/4 rig service and check BOP's; 3/4 survey. Drilling. Tom Scrum, Arapahoe.

Operator Celsius Energy Company
Address

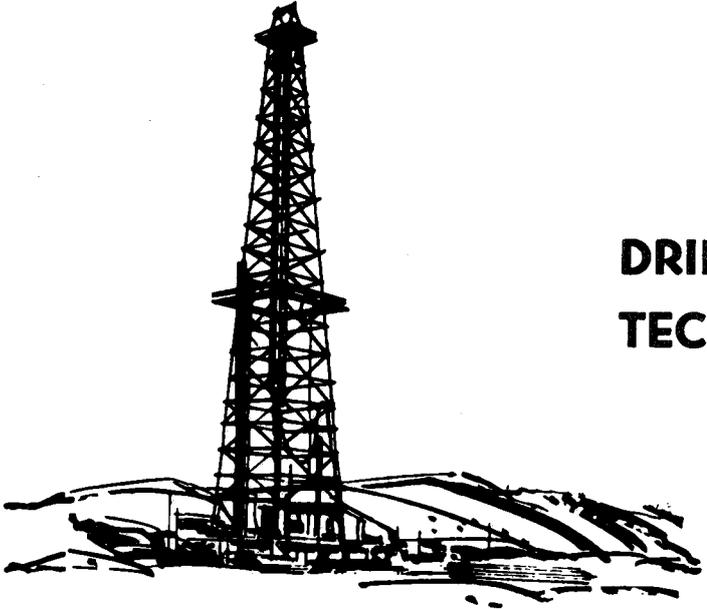
Well Name and No.
Ticket No. 04157

Patterson ~~Company~~ Unit # 3
Date 6/7/83

DST No. 2
No. Final Copies 16



LYNES



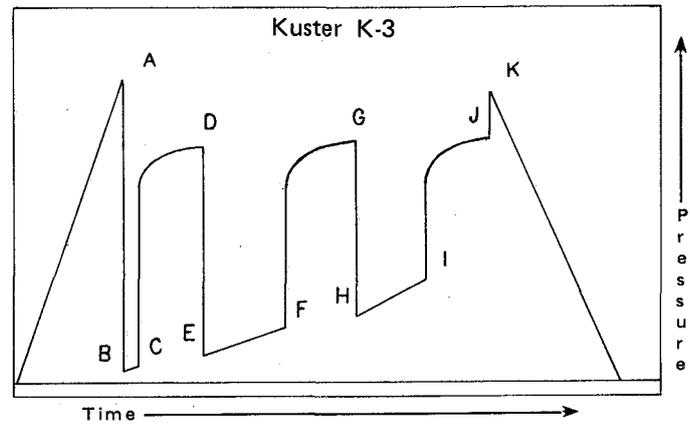
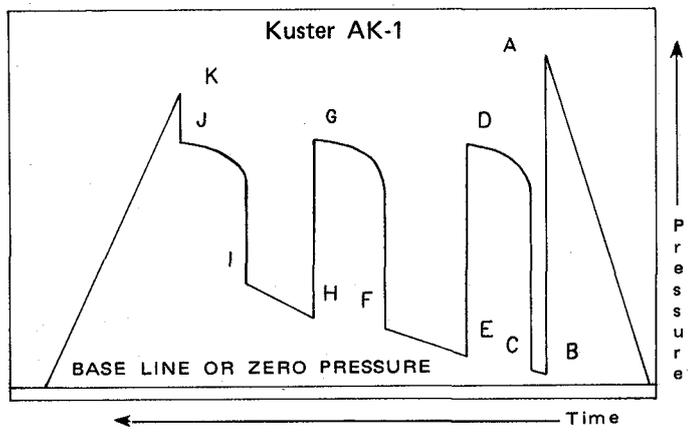
**DRILL STEM TEST
TECHNICAL SERVICE REPORT**

GUIDE TO INTERPRETATION AND IDENTIFICATION OF LYNES DRILL STEM TEST PRESSURE CHARTS

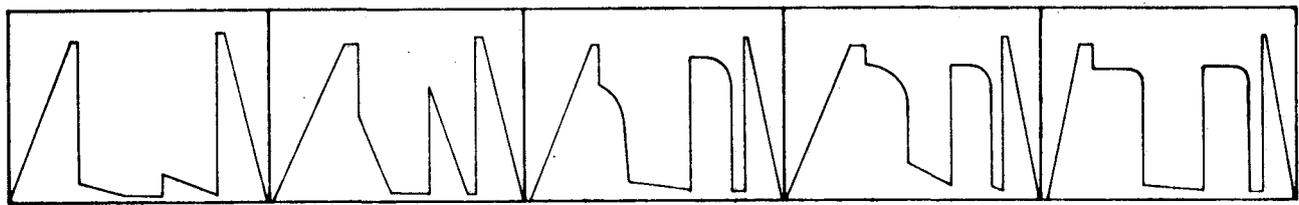
In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our agents or employees.

AK-1 recorders. Read from right to left.

K-3 recorders. Read from left to right.



- A – Initial Hydrostatic
- B – First Initial Flow
- C – First Final Flow
- D – Initial Shut-in
- E – Second Initial Flow
- F – Second Final Flow
- G – Second Shut-in
- H – Third Initial Flow
- I – Third Final Flow
- J – Third Shut-in
- K – Final Hydrostatic



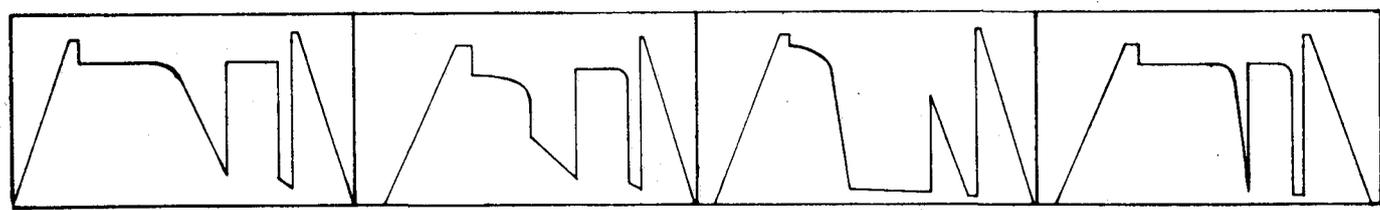
Very low permeability. Usually only mud recovered from interval tested. Virtually no permeability.

Slightly higher permeability. Again usually mud recovered.

Slightly higher permeability. Small recovery, less than 200 ft).

Average permeability. Final and initial shut-ins differ by 50 psi.

Average permeability. Strong damage effect. High shut-in pressure, low flow pressure.



Excellent permeability where final flow final shut-in pressure.

High permeability where ISIP and FSIP are within 10 psi.

Deep well bore invasion or damage. Final shut-in higher than the initial shut-in.

Tight hole chamber tester. Permeability very difficult to interpret unless the recovery is less than chamber length. Flow pressure builds up rapidly if recovery is large, similar to a shut-in.

Contractor Arapahoe
Rig No. 4
Spot SW-NE
Sec. 5
Twp. 38S
Rng. 25E
Field Patterson Canyon
County San Juan
State Utah
Elevation 5342 Ft. K.B.
Formation Desert Creek

Top Choke 1/4"
Bottom Choke 1"
Size Hole 8 3/4"
Size Rat Hole --
Size & Wt. D. P. 4 1/2" XH 16.60
Size Wt. Pipe --
I. D. of D. C. 2 1/4"
Length of D. C. 614 Ft.
Total Depth 5890 Ft.
Interval Tested 5816-5860 Ft.
Type of Test Bottom Hole
Conventional

Flow No. 1 30 Min.
Shut-in No. 1 120 Min.
Flow No. 2 240 Min.
Shut-in No. 2 356 Min.
Flow No. 3 -- Min.
Shut-in No. 3 -- Min.

Bottom
Hole Temp. 125.3 °F
Mud Weight 10.5
Gravity --
Viscosity 41

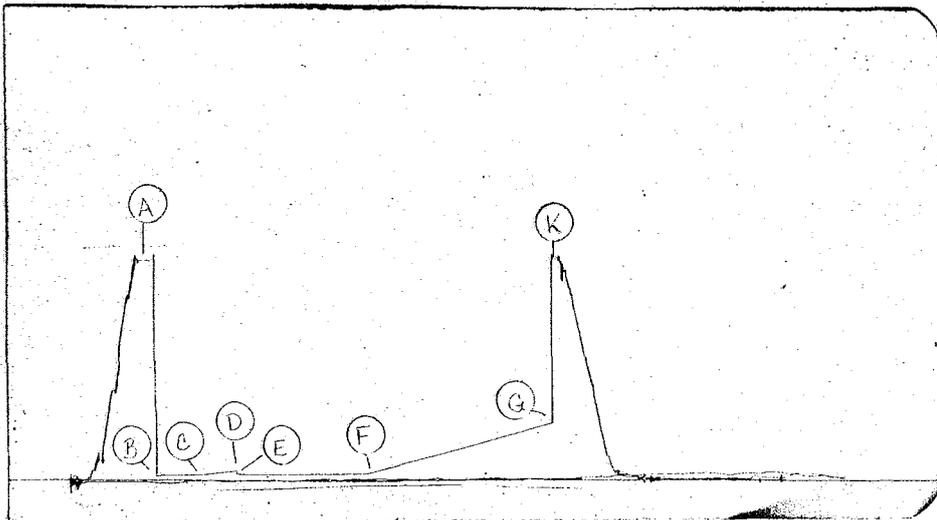
Tool opened @ 3:42 AM

Outside Recorder

PRD Make Kuster K-3
No. 23883 Cap. 6800 @ 5836'

	Press	Corrected
Initial Hydrostatic	A	3254
Final Hydrostatic	K	3274
Initial Flow	B	69
Final Initial Flow	C	71
Initial Shut-in	D	133
Second Initial Flow	E	82
Second Final Flow	F	80
Second Shut-in	G	819
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist. Rock Springs, WY.
Our Tester: Lance Sipma
Witnessed By Mike Sliger



Did Well Flow - Gas No Oil No Water No

RECOVERY IN PIPE:

100 Ft. Total fluid = .49 bbl.
5 Ft. Oil = .02 bbl.
95 Ft. Oil & gas cut mud = .47 bbl.

Blow Description

1st Flow:

Tool opened with a 1/2" underwater blow, increased to the bottom of the bucket in 1 minute, increased to 1 psi in 5 minutes and remained thru the flow period.

2nd Flow:

Tool opened with a 1" underwater blow, increased to 1 psi in 5 minutes, decreased to 13" in 80 minutes, decreased to 8" in 210 minutes and remained thru 240 minutes.

Comments:

The test results indicate a mechanically successful test with no problems encountered. The flow and shut-in curves suggest very low permeability within the zone tested.

Operator Celsius Energy Company
Address See Distribution

Well Name and No. Patterson Canyon Unit # 3

Ticket No. 04157
Date 6/7/83

DST No. 2
No. Final Copies 16

Location: SW-NE-5-38S-25E
Test Type: BOTTOM HOLE CONVENTIONAL
Formation: DESERT CREEK

Recorder Number: 1644
Recorder Depth: 5860 ft.

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P PSI	PRESSURE (T+dt)/dt PSI	PRESSURE SQUARED PSI ² /10 ⁶
A	INITIAL HYDROSTATIC	0.0		3314.0	
B	START OF 1st FLOW	0.0		90.0	
C	END OF 1st FLOW	30.0		95.0	
	1st SHUTIN PERIOD	0.0	0.0	95.0	0.0000
		6.0	1.0	96.0	6.0000
		12.0	2.0	97.0	3.5000
		18.0	3.0	98.0	2.6667
		24.0	4.0	99.0	2.2500
		30.0	6.0	101.0	2.0000
		40.0	14.0	109.0	1.7500
		50.0	17.0	112.0	1.6000
		60.0	24.0	119.0	1.5000
		70.0	36.0	131.0	1.4286
		80.0	49.0	144.0	1.3750
		90.0	59.0	154.0	1.3333
		100.0	65.0	160.0	1.3000
		110.0	71.0	166.0	1.2727
D	END OF 1st SHUTIN	120.0	86.0	181.0	1.2500
E	START OF 2nd FLOW	0.0		95.0	
F	END OF 2nd FLOW	240.0		118.0	
	2nd SHUTIN PERIOD	0.0	0.0	118.0	1.2500
		10.0	25.0	143.0	28.0000
		20.0	48.0	166.0	14.5000
		30.0	70.0	188.0	10.0000
		40.0	91.0	209.0	7.7500
		50.0	113.0	231.0	6.4000
		60.0	133.0	251.0	5.5000
		70.0	153.0	271.0	4.8571
		80.0	173.0	291.0	4.3750
		90.0	195.0	313.0	4.0000
		100.0	213.0	331.0	3.7000
		110.0	233.0	351.0	3.4545
		120.0	253.0	371.0	3.2500
		130.0	273.0	391.0	3.0769
		140.0	293.0	411.0	2.9286
		150.0	315.0	433.0	2.8000
		160.0	336.0	454.0	2.6875
		170.0	357.0	475.0	2.5882

Location: SW-NE-5-385-25E
 Test Type: BOTTOM HOLE CONVENTIONAL
 Formation: DESERT CREEK

Recorder Number: 1644
 Recorder Depth: 5860 ft.

TIME-PRESSURE LISTING

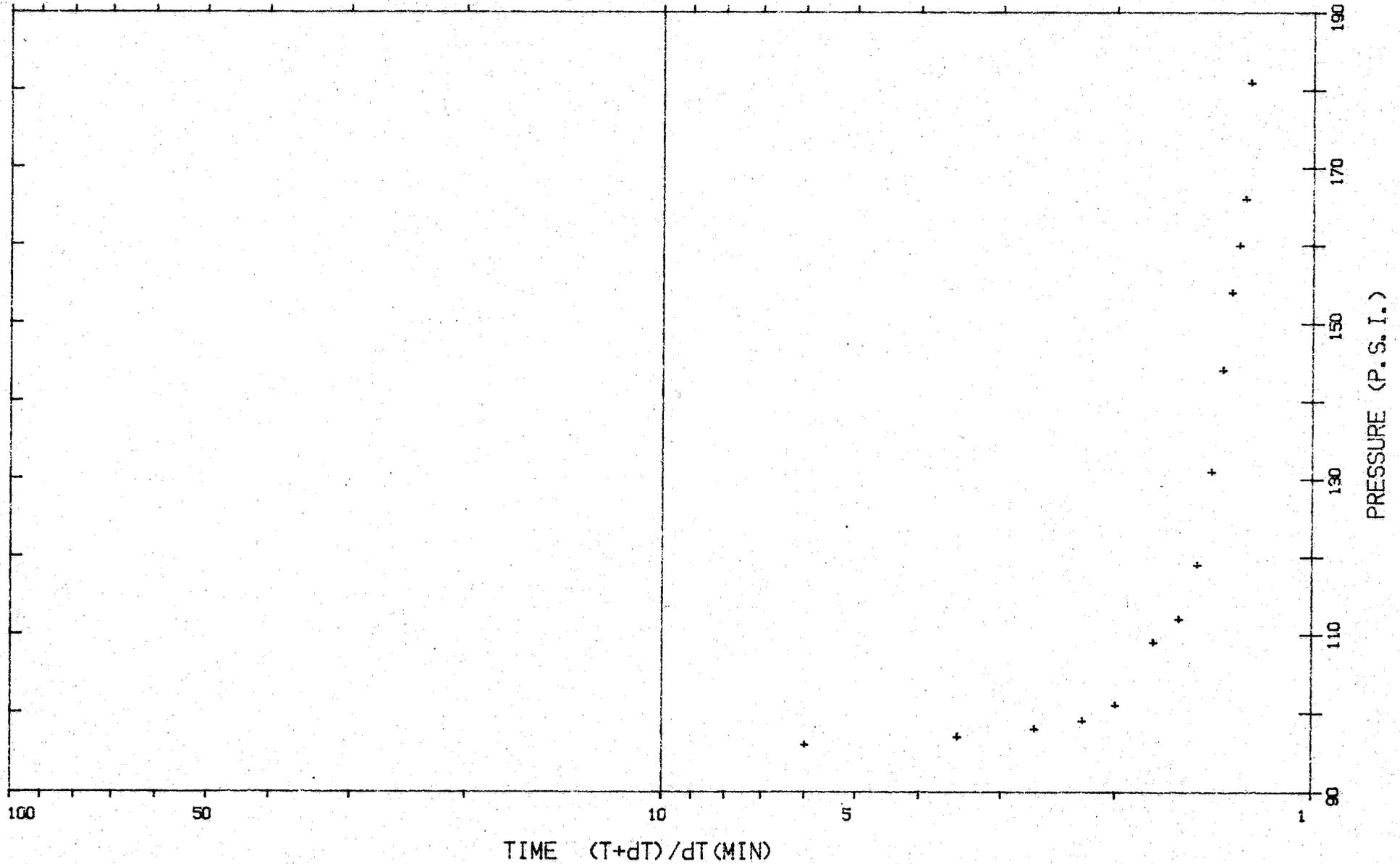
CHART LABEL	COMMENTS	TIME MIN.	DELTA P PSI	PRESSURE (T+dt)/dt PSI	ABSCISSA	PRESSURE SQUARED PSI ² /10 ⁶
		180.0	380.0	498.0	2.5000	
		190.0	401.0	519.0	2.4211	
		200.0	423.0	541.0	2.3500	
		210.0	443.0	561.0	2.2857	
		220.0	466.0	584.0	2.2273	
		230.0	488.0	606.0	2.1739	
		240.0	510.0	628.0	2.1250	
		250.0	531.0	649.0	2.0800	
		260.0	553.0	671.0	2.0385	
		270.0	576.0	694.0	2.0000	
		280.0	598.0	716.0	1.9643	
		290.0	621.0	739.0	1.9310	
		300.0	642.0	760.0	1.9000	
		310.0	665.0	783.0	1.8710	
		320.0	688.0	806.0	1.8438	
		330.0	711.0	829.0	1.8182	
		340.0	735.0	853.0	1.7941	
		350.0	758.0	876.0	1.7714	
G	END OF 2nd SHUTIN	356.0	772.0	890.0	1.7584	
K	FINAL HYDROSTATIC	0.0		3301.0		

* VALUES USED FOR EXTRAPOLATIONS

OPERATOR: CELSIUS ENERGY COMPANY
WELL NAME: PATTERSON CANYON UNIT # 3
LOCATION: SW-NE-5-38S-25E
FIRST SHUT-IN
RECORDER: 1644

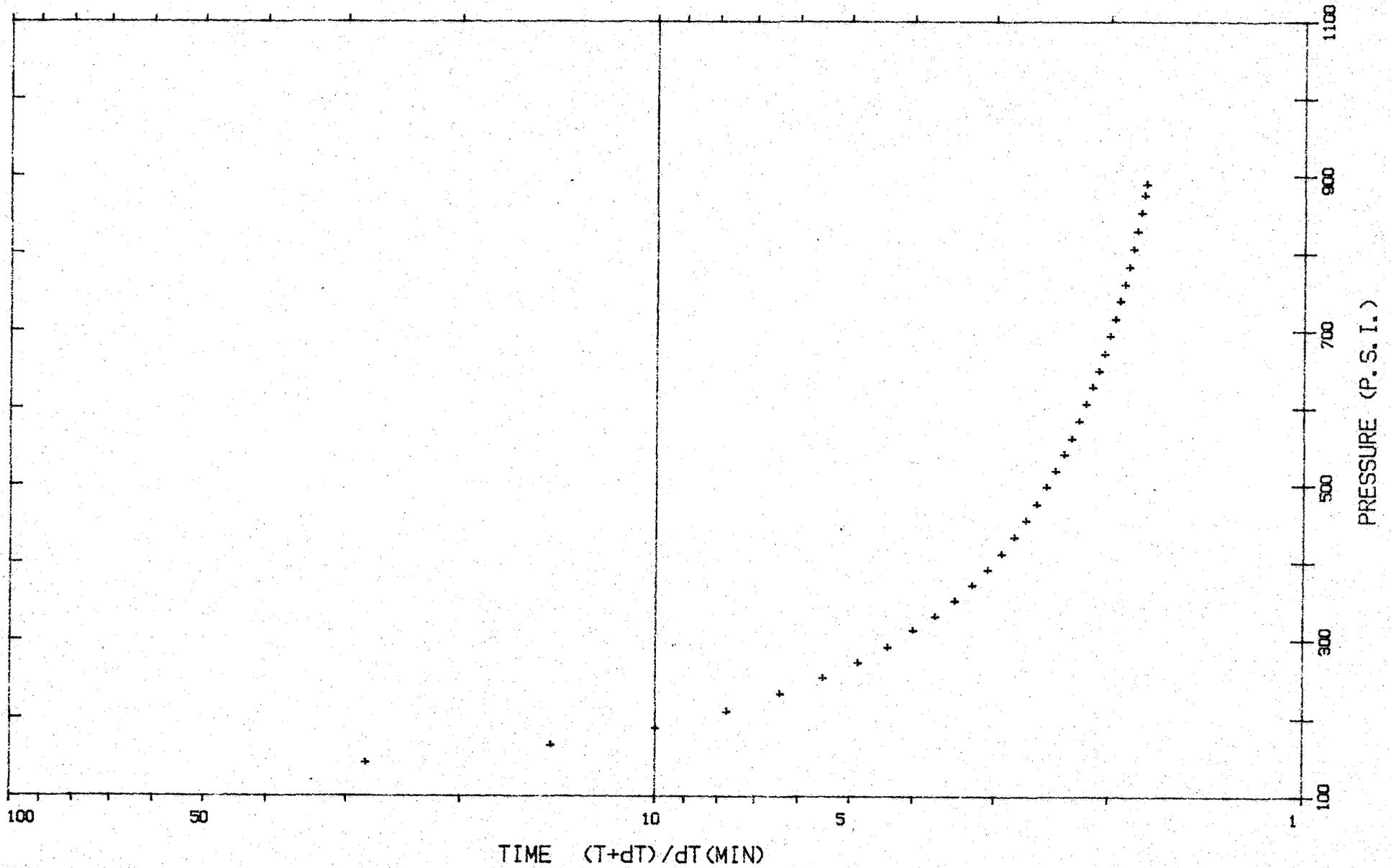
DST #: 2

DEPTH: 5860



OPERATOR: CELSIUS ENERGY COMPANY
WELL NAME: PATTERSON CANYON UNIT # 3
LOCATION: SW-NE-5-38S-25E
SECOND SHUT-IN
RECORDER: 1644

DST #: 2
DEPTH: 5860



LYNES INC.

DMR-312 DIGITAL MEMORY RECORDER NO. 1644 CAP 5000 AT 5860

OPERATOR Celsius Energy Company

WELL NAME Patterson Canyon Unit # 3

TICKET NO. 04157

DST. NO. 2

13:18:00 T 124.000	15:42:00 T 125.062
506.250	823.750
510.000	828.750
513.750	833.750
518.750	838.750
522.500	842.500
526.250	847.500
531.250	852.500
13:34:00 T 124.125	15:58:00 T 125.187
541.250	861.250
545.000	866.250
550.000	871.250
553.750	876.250
557.500	880.000
561.250	885.000
566.250	890.000
13:50:00 T 124.250	2nd Shut-In
575.000	6:14:00 T 125.312
578.750	Final Hydrostatic 3301.25
583.750	3293.75
587.500	
591.250	
596.250	
601.250	
14:06:00 T 124.375	
610.000	
613.750	
618.750	
623.750	
627.500	
631.250	
636.250	
14:22:00 T 124.500	
645.000	
648.750	
653.750	
658.750	
661.250	
666.250	
671.250	
14:38:00 T 124.625	
681.250	
683.750	
688.750	
693.750	
698.750	
702.500	
706.250	
14:54:00 T 124.750	
716.250	
721.250	
725.000	
728.750	
733.750	
738.750	
742.500	
15:10:00 T 124.812	
751.250	
756.250	
760.000	
765.000	
770.000	
773.750	
778.750	
15:26:00 T 124.937	
787.500	
792.500	
796.250	
802.500	
806.250	
811.250	
815.000	

LYNES, INC.

Sampler Report

Company Celsius Energy Company Date 6/7/83
Well Name & No. Patterson Canyon Unit # 3 Ticket No. 04157
County San Juan State Utah
Test Interval 5816-5860 Ft. DST No. 2

Total Volume of Sampler: 2150 cc.

Total Volume of Sample: 1400 cc.

Pressure in Sampler: 20 psig

Oil: Trace cc.

Water: None cc.

Mud: 1400 cc.

Gas: .06 cu. ft.

Other: --

Sample R.W.: .02 @ 75°F = 200,000 ppm. cl.

Resistivity

Make Up Water -- @ -- Salinity Content -- ppm.

Mud Pit Sample 1.5 @ 70°F Salinity Content 4,000 ppm. Na. cl. ppm.
3,000 ppm. cl.

Gas/Oil Ratio -- Gravity -- °API @ -- °F

Where was sample drained On location.

Remarks: Recovery:

Top Sample R.W.: Oil

Middle Sample R.W.: .32 @ 86°F = 16,500 ppm. Na. cl.

10,200 ppm. cl.

Bottom Sample R.W.: .67 @ 85°F = 7,500 ppm. Na. cl.

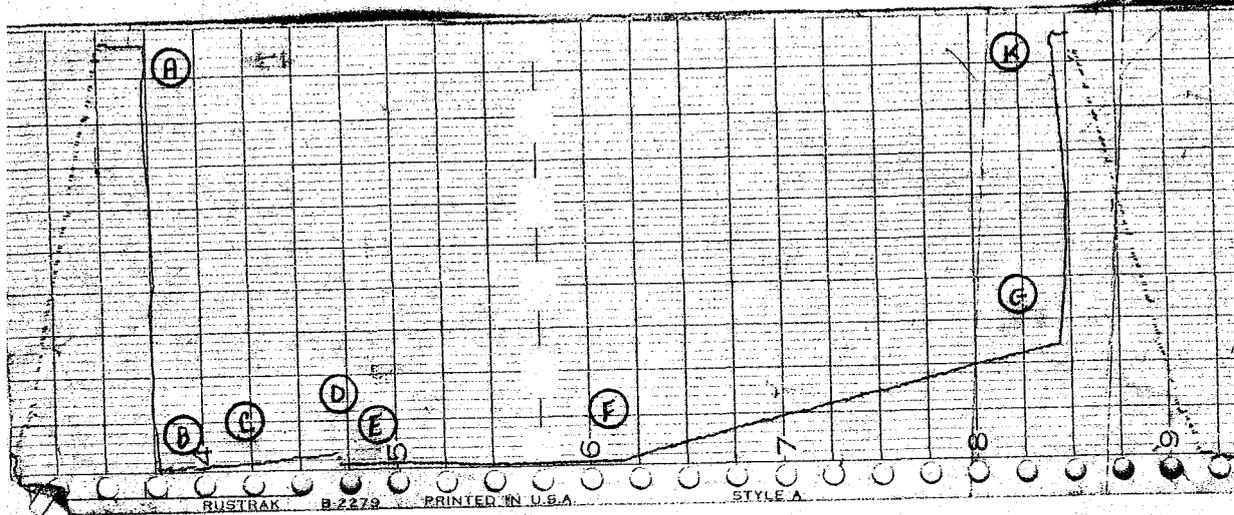
5,650 ppm. cl.

PRESSURE RECORDER NUMBER : 1644

DEPTH : 5860.00ft. LOCATION : OUTSIDE
 TYPE : DMR-312 CAPACITY : 5000.00 PSI

PRESSURE
 PSI

A)Initial Hydro : 3314.0
 B)1st Flow Start: 90.0
 C)1st Flow End : 95.0
 D)END 1st Shutin: 181.0
 E)2nd Flow Start: 95.0
 F)2nd Flow End : 118.0
 G)END 2nd Shutin: 890.0
 K)Final Hydro. : 3301.0



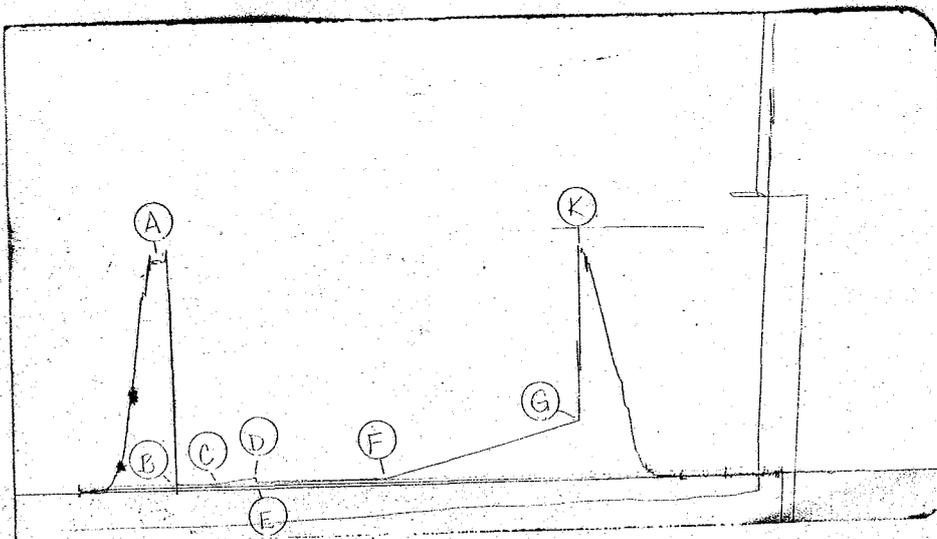
TEST TIMES (MIN)
 1st FLOW : 30
 SHUTIN: 120
 2nd FLOW : 240
 SHUTIN: 356

PRESSURE RECORDER NUMBER : 24521

DEPTH : 5800.00ft. LOCATION : INSIDE
 TYPE : K-3 CAPACITY : 6625.00 PSI

PRESSURE
 PSI

A)Initial Hydro : 3261.0
 B)1st Flow Start: 58.0
 C)1st Flow End : 47.0
 D)END 1st Shutin: 129.0
 E)2nd Flow Start: 66.0
 F)2nd Flow End : 66.0
 G)END 2nd Shutin: 832.0
 K)Final Hydro. : 3262.0



LYNES, INC.

Distribution of Final Reports

Celsius Energy Company
Operator

Patterson Canyon Unit # 3
Well Name and No.

Original &

1 copy: Celsius Energy Company, P.O. Box 458, Rock Springs, Wyoming 82901,
Attn: Petroleum Engineer

2 copies: Minerals Management Service, 2000 Administration Building, 1745 W. 1700 S.
Salt Lake City, Utah 84104, Attn: Edgar Guynn

2 copies: Utah Oil, Gas & Mining, 1588 W. North Temple, Salt Lake City, Utah 84116

2 copies: Celsius Energy Company, P.O. Box 11070, Salt Lake City, Utah 84147, Attn:
Roger W. Fallon

2 copies: Celsius Energy Company, P.O. Box 2329, Farmington, New Mexico, 87401

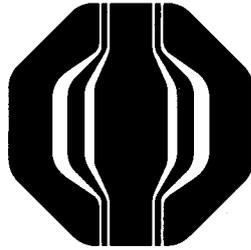
2 copies: Mobil Oil Corporation, P.O. Box 5444, Denver, Co. 80217, Attn: Division
Production Geologist

1 copy: Placid Oil Company, 410 17th St., Ste. 2000, Denver, Co. 80202, Attn:
Operation Geologist

1 copy: Williams Exploration Company, 3025 Parker Rd., Ste. 601, Aurora, Colorado
80214, Attn: Jim Woods

1 copy: MCOR Oil & Gas Corporation, 10880 Wilshire Blvd., LA, California 90024,
Attn: Operations Geologist

1 copy: Marvin Wolf, P.O. Box 715, Denver, Co. 80201



LYNES

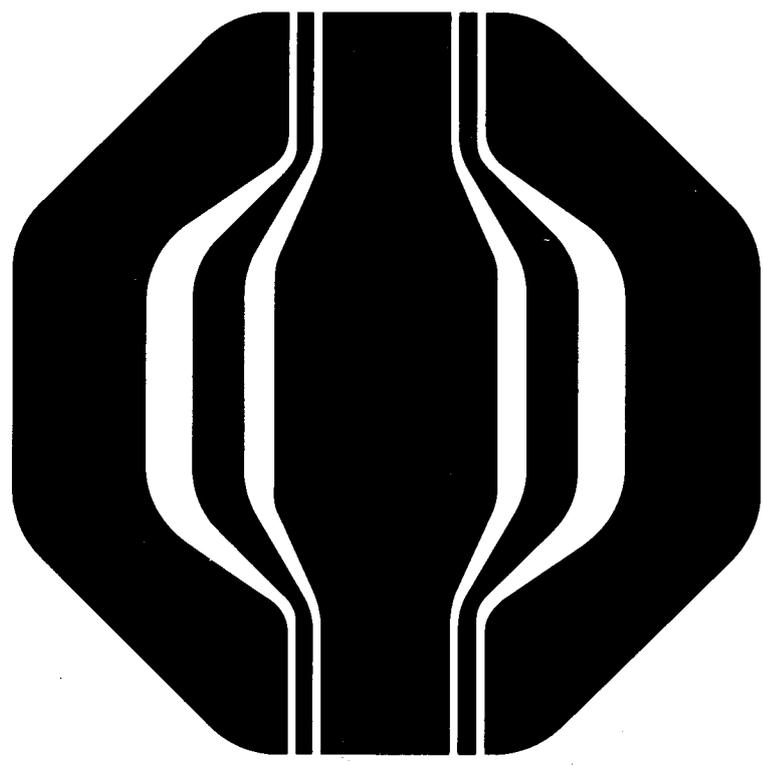
Phone 713-790-9132
Box 12486
Houston, TX 77017



Operator Celsius Energy Company
Address See Distribution

Well Name and No. Patterson ~~Gen~~ Unit # 3
Ticket No. 04156
Date 6/4/83

DST No. 1
No. Final Copies 16



LYNES

**DRILL STEM TEST
TECHNICAL SERVICE REPORT**

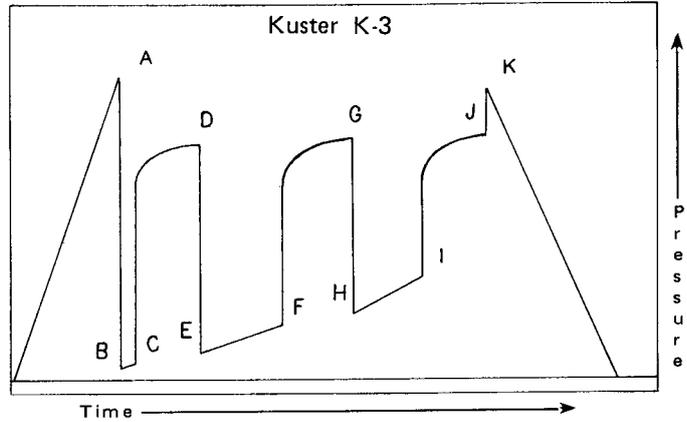
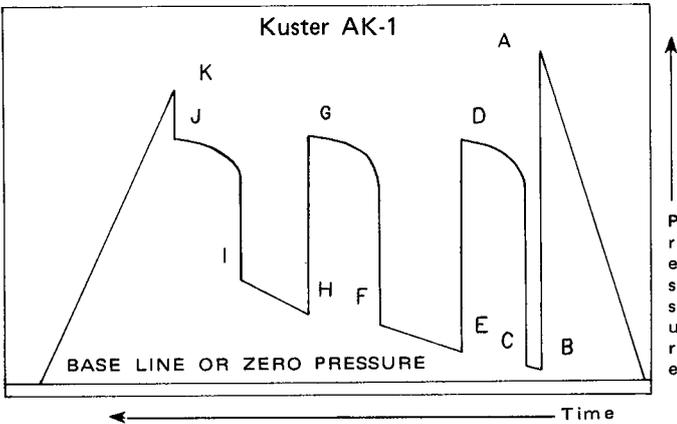


GUIDE TO INTERPRETATION AND IDENTIFICATION OF LYNES DRILL STEM TEST PRESSURE CHARTS

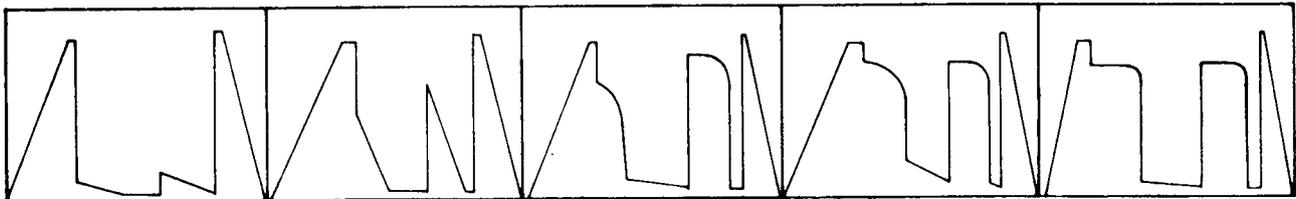
In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our agents or employees.

AK-1 recorders. Read from right to left.

K-3 recorders. Read from left to right.



- A – Initial Hydrostatic
- B – First Initial Flow
- C – First Final Flow
- D – Initial Shut-in
- E – Second Initial Flow
- F – Second Final Flow
- G – Second Shut-in
- H – Third Initial Flow
- I – Third Final Flow
- J – Third Shut-in
- K – Final Hydrostatic



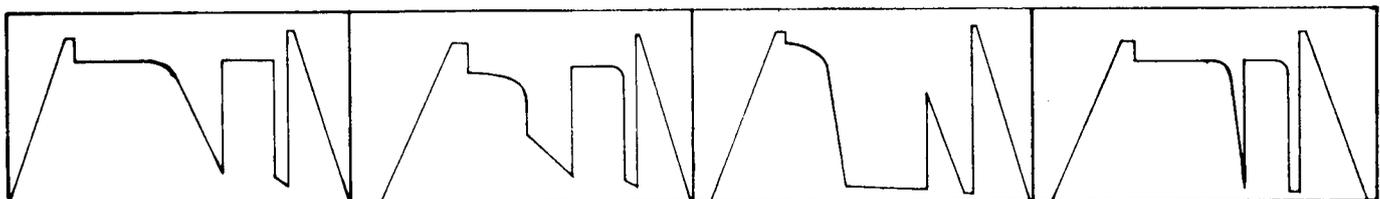
Very low permeability. Usually only mud recovered from interval tested. Virtually no permeability.

Slightly higher permeability. Again usually mud recovered.

Slightly higher permeability. Small recovery, less than 200 ft.

Average permeability. Final and initial shut-ins differ by 50 psi.

Average permeability. Strong damage effect. High shut-in pressure, low flow pressure.



Excellent permeability where final flow final shut-in pressure.

High permeability where ISIP and FSIP are within 10 psi.

Deep well bore invasion or damage. Final shut-in higher than the initial shut-in.

Tight hole chamber tester. Permeability very difficult to interpret unless the recovery is less than chamber length. Flow pressure builds up rapidly if recovery is large, similar to a shut-in.

Contractor Arapahoe
Rig No. 4
Spot SW-NE
Sec. 5
Twp. 38S
Rng. 25E
Field Patterson Canyon
County San Juan
State Utah
Elevation 5342 Ft. K.B.
Formation Ismay

Top Choke 1/2"
Bottom Choke 1"
Size Hole 8 3/4"
Size Rat Hole --
Size & Wt. D. P. 4 1/2" XH 16.60
Size Wt. Pipe --
I. D. of D. C. 2 1/4"
Length of D. C. 644 Ft.
Total Depth 5800 Ft.
Interval Tested 5522-5578 Ft.
Type of Test Bottom Hole
Conventional

Flow No. 1 30 Min.
Shut-in No. 1 178 Min.
Flow No. 2 290 Min.
Shut-in No. 2 360 Min.
Flow No. 3 -- Min.
Shut-in No. 3 -- Min.

Bottom Hole Temp. 122°F
Mud Weight 10.2
Gravity --
Viscosity 37

Tool opened @ 4:49 AM

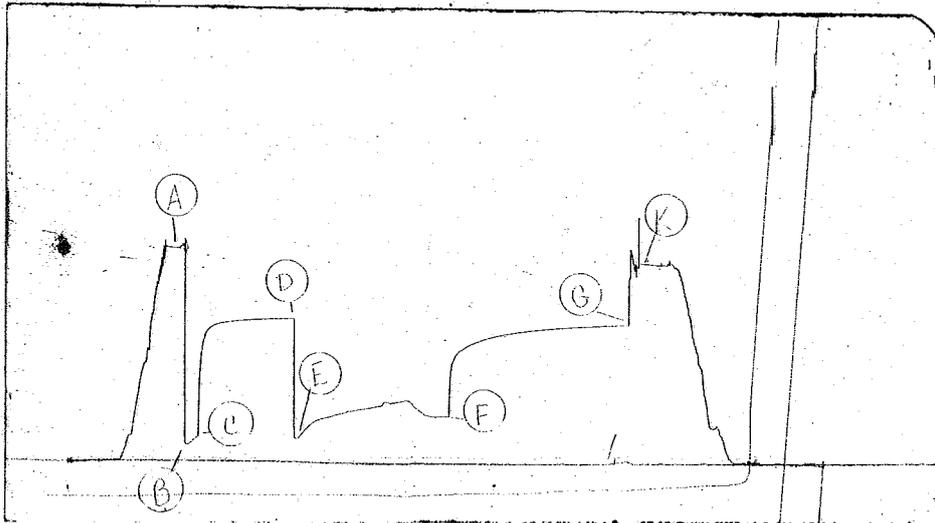
Outside Recorder

PRD Make Kuster K-3
No. 23883 Cap. 6800 @ 5542'

	Press	Corrected
Initial Hydrostatic	A	3131
Final Hydrostatic	K	2920
Initial Flow	B	257
Final Initial Flow	C	381
Initial Shut-in	D	2102
Second Initial Flow	E	350
Second Final Flow	F	669
Second Shut-in	G	2011
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Extrapolated ISI: 2168 PSI
Extrapolated FSI: 2191.7
(PSI)

Lynes Dist.: Rock Springs, WY.
Our Tester: Lance Sipma
Witnessed By: Mike Sliger



Did Well Flow - Gas Yes Oil Yes Water No

RECOVERY IN PIPE: 1081 Ft. Total fluid = 9.36 bbls.
1081 Ft. Oil = 9.36 bbls.
[Test Was Reverse Circulated]

Blow Description
1st Flow:

Tool opened with a 1" underwater blow, increased to the bottom of the bucket in 1 minute, increased to 23 psi in 5 minutes, with gas to surface in 15 minutes with 105 psi, increased to 170 psi in 30 minutes. See Gas Volume Report.

2nd Flow:

Tool opened with gas to surface immediately, well flowed fluid to surface 170 minutes into the flow period, measured thru a separator. See Gas Volume Report.

Operator Celsius Energy Company
Address See Distribution

Well Name and No. Patterson Canyon Unit # 3
Ticket No. 04156

DST No. 1
No. Final Copies 16

Date 6/4/83

LYNES, INC.

Celsius Energy Company
Operator

Patterson Canyon Unit # 3
Well Name and No.

1
DST No.

Comments Relative to DST # 1 run on Patterson Canyon Unit # 3 run in San Juan County, Utah, SW-NE-5-38S-25E

The following calculations were performed by plotting the time pressure data on a semi-log scale and using the resultant slope and extrapolated pressure in the appropriate fluid calculations.

The calculated flow capacity of 50.23 md/ft indicates an average effective permeability of 1.0 md over the 50 feet of estimated pay thickness.

The calculated skin factor of -1.21 on the damage ratio of 0.75 indicates that the zone was not damaged at the time of this test.

The final shut-in was extrapolated to 2191.74 psi and had a slope of 462.53 psi/cycle. This extrapolated pressure is equivalent to a subsurface pressure gradient of 0.393 psi/ft at the recorder depth of 5578 feet.

Please note that these calculations should be used as indicators only since many of the parameters used have been estimated.



T.H. Adams, C.E.T.
Technical Service Manager

*** LYNES INC. ***

Operator.....: CELSIUS ENERGY COMPANY
Well ID.....: PATTERSON CANYON UNIT # 3
Location.....: SW-NE-5-386-25E
DST Number.....: 1
Formation.....: ISMAY
Type of test....: BOTTOM HOLE CONVENTIONAL
Test interval...: 5522-5578
Recorder number : 1644
Recorder depth : 5578

RESERVOIR CALCULATIONS: Fluid calculations based on 2nd shut-in

RESERVOIR PARAMATERS USED:

Net Pay.....: 50.00 ft.
Porosity.....: 12.00 %
Compressibility.....: .000014 /psi
Flow rate.....: 150.00 bbl/day
Extrapolation.....: 2191.74 psi
Slope.....: 462.53 psi/cycle
Wellbore radius.....: .36 ft.
Total flowing time....: 320.00 minutes
Final flowing pressure: 698.00 psi
Formation vol. factor : 1.27 rb/stb
Viscosity.....: .75 cp

RESULTS:

Effective Permeability..(k)....: 1.00 md
Flow capacity.....(kh)....: 50.23 md-ft
Transmissibility.....(kh/u)....: 66.97 md-ft/cp
Skin.....(s)....: -1.21
Damage ratio.....: .75
Productivity index.....: .10 bbl-day/psi
Radius of investigation.....: 59.80 ft.

Location: SW-NE-5-38S-25E
 Test Type: BOTTOM HOLE CONVENTIONAL
 Formation: ISMAY

Recorder Number: 1644
 Recorder Depth: 5578 ft.

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P PSI	PRESSURE (T+dt)/dt PSI	PRESSURE SQUARED PSI ² /10 ⁶
A	INITIAL HYDROSTATIC	0.0		3205.0	
B	START OF 1st FLOW	0.0		511.0	
C	END OF 1st FLOW	30.0		321.0	
	1st SHUTIN PERIOD	0.0	0.0	511.0	0.0000
		10.0	1350.0	1861.0	4.0000
		20.0	1501.0	2012.0	2.5000
		30.0	1547.0	2058.0	2.0000
		40.0	1565.0	2076.0	1.7500
		50.0	1577.0	2088.0	1.6000
		60.0	1587.0	2098.0	1.5000
		70.0	1594.0	2105.0	1.4286
		80.0	1600.0	2111.0	1.3750
		90.0	1605.0	2116.0	1.3333
		100.0	1609.0	2120.0	1.3000
		110.0	1612.0	2123.0	1.2727*
		120.0	1615.0	2126.0	1.2500*
		130.0	1617.0	2128.0	1.2308*
		140.0	1619.0	2130.0	1.2143*
		150.0	1622.0	2133.0	1.2000*
		160.0	1625.0	2136.0	1.1875*
		170.0	1627.0	2138.0	1.1765*
D	END OF 1st SHUTIN	178.0	1627.0	2138.0	1.1685*
E	START OF 2nd FLOW	0.0		321.0	
F	END OF 2nd FLOW	290.0		698.0	
	2nd SHUTIN PERIOD	0.0	0.0	698.0	1.1685
		20.0	992.0	1690.0	17.0000
		40.0	1073.0	1771.0	9.0000
		60.0	1132.0	1830.0	6.3333
		80.0	1174.0	1872.0	5.0000
		100.0	1208.0	1906.0	4.2000
		120.0	1235.0	1933.0	3.6667
		140.0	1256.0	1954.0	3.2857
		160.0	1275.0	1973.0	3.0000
		180.0	1290.0	1988.0	2.7778
		200.0	1303.0	2001.0	2.6000
		220.0	1314.0	2012.0	2.4545*
		240.0	1323.0	2021.0	2.3333*
		260.0	1333.0	2031.0	2.2308*

Location: SW-NE-5-38S-25E
Test Type: BOTTOM HOLE CONVENTIONAL
Formation: ISMAY

Recorder Number: 1644
Recorder Depth: 5578 ft.

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P PSI	PRESSURE (T+dt)/dt PSI	ABSCISSA	PRESSURE SQUARED PSI ² /10 ⁶
		280.0	1340.0	2038.0	2.1429*	
		300.0	1347.0	2045.0	2.0667*	
		320.0	1355.0	2053.0	2.0000*	
		340.0	1361.0	2059.0	1.9412*	
G	END OF 2nd SHUTIN	360.0	1366.0	2064.0	1.8889*	
K	FINAL HYDROSTATIC	0.0		3153.0		

* VALUES USED FOR EXTRAPOLATIONS

CELSIUS ENERGY COMPANY
DST#: 1
PATTERSON CANYON UNIT # 3
5522-5578

Location: SW-NE-5-38S-25E
Test Type: BOTTOM HOLE CONVENTIONAL
Formation: ISMAY

Recorder Number: 1644
Recorder Depth: 5578 ft.

1st SHUT-IN:

HORNER EXTRAPOLATION 2168.01 PSI
HORNER SLOPE 437.16 PSI/cycle

2nd SHUT-IN

HORNER EXTRAPOLATION 2191.74 PSI
HORNER SLOPE 462.53 PSI/cycle

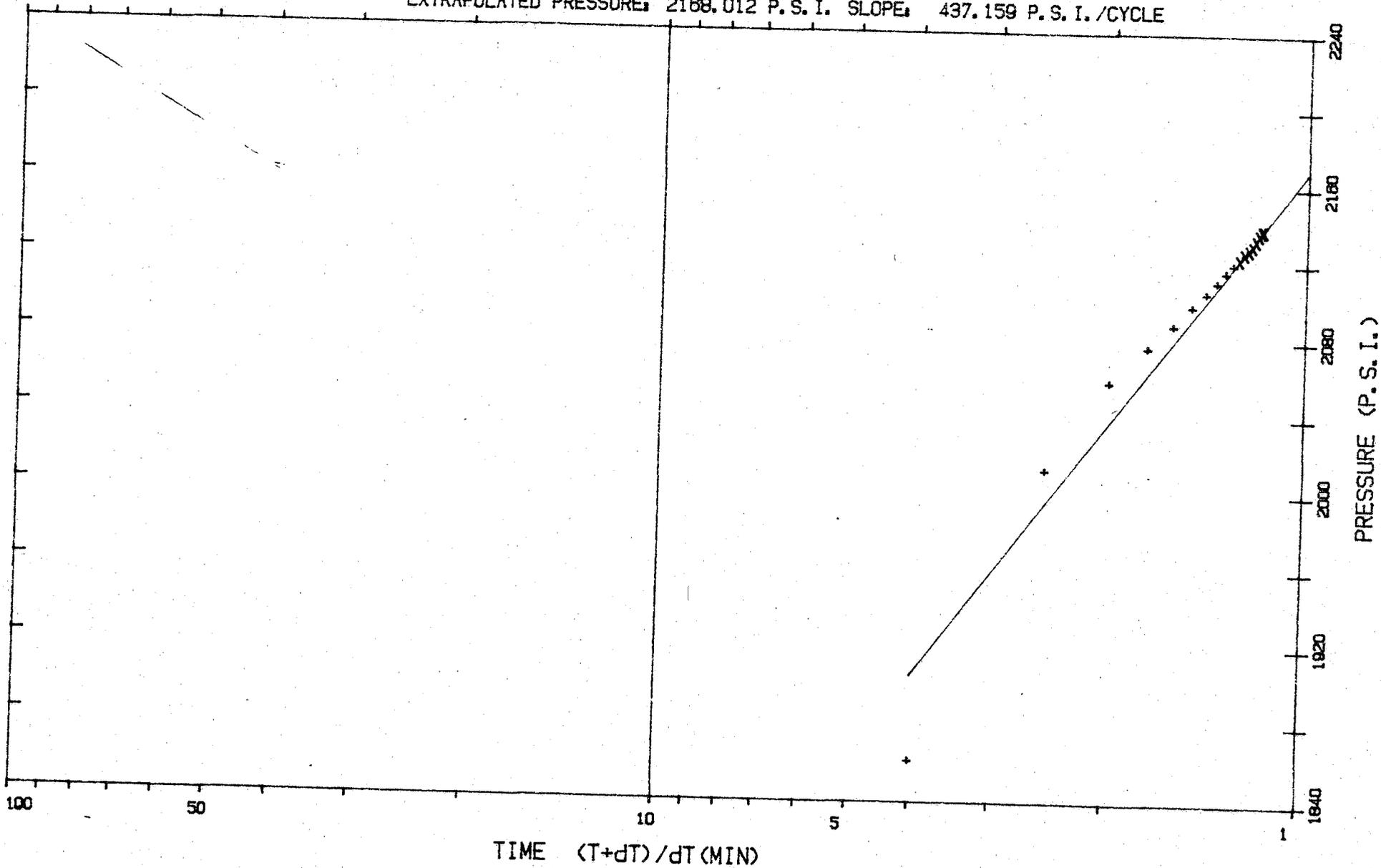
OPERATOR: CELSIUS ENERGY COMPANY
WELL NAME: PATTERSON CANYON UNIT # 3
LOCATION: SW-NE-5-38S-25E

DST #: 1

FIRST SHUT-IN
RECORDER: 1644

DEPTH: 5578

EXTRAPOLATED PRESSURE: 2168.012 P. S. I. SLOPE: 437.159 P. S. I. /CYCLE



OPERATOR: CELSIUS ENERGY COMPANY
WELL NAME: PATTERSON CANYON UNIT # 3

LOCATION: SW-NE-5-38S-25E

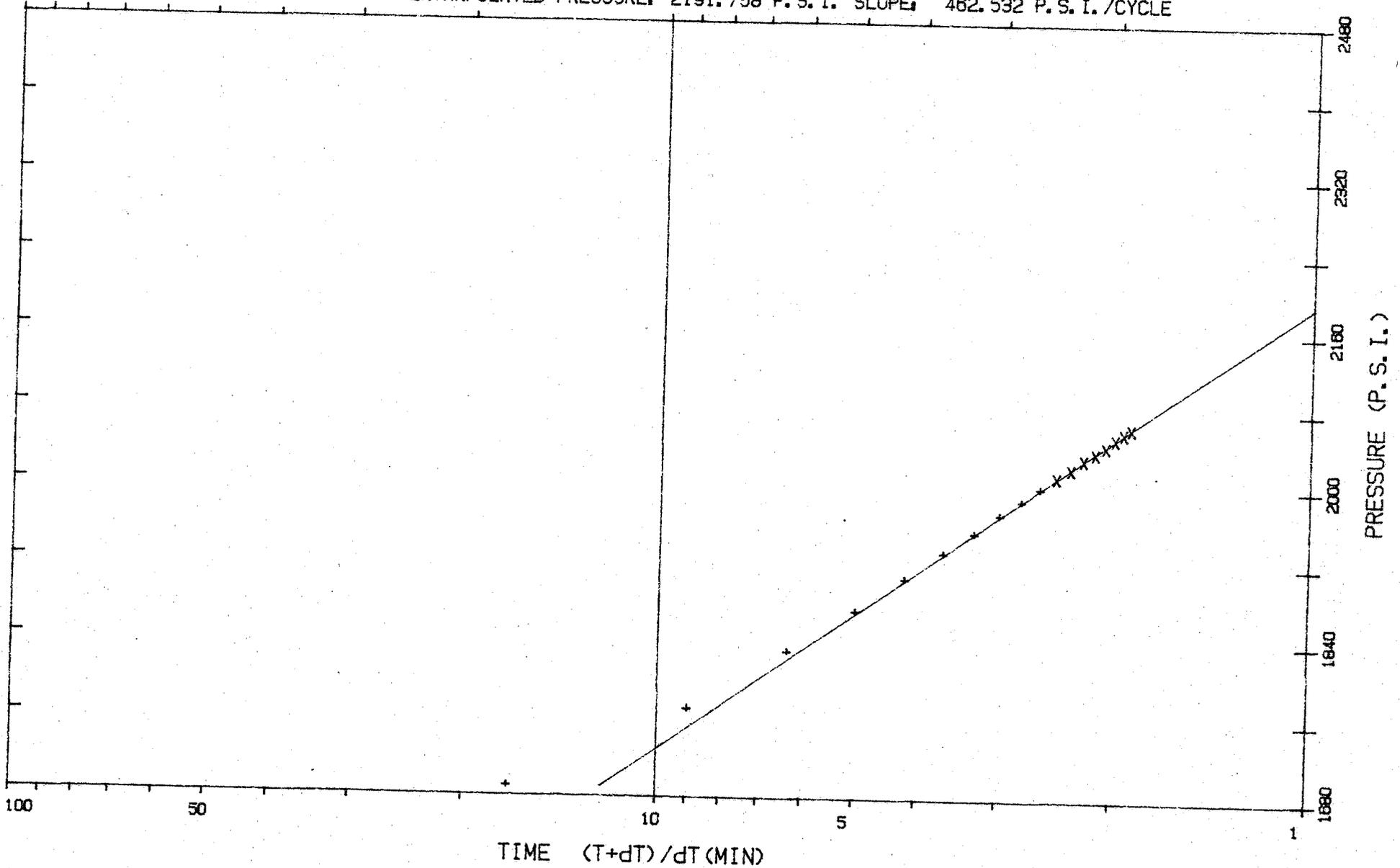
DST #: 1

SECOND SHUT-IN

RECORDER: 1644

DEPTH: 5578

EXTRAPOLATED PRESSURE: 2191.738 P. S. I. SLOPE: 462.532 P. S. I. /CYCLE



LYNES INC.

DMR-312 DIGITAL MEMORY RECORDER NO. 1644 CAP 5000 AT 5542 Ft

OPERATOR Celsius Energy Company WELL NAME Patterson Canyon Unit # 3 TICKET NO. 04156 DST. NO. 1

13:56:00 T 122.437	16:20:00 T 125.187	18:44:00 T 126.000
1792.50	1993.75	2056.25
1798.75	1996.25	2057.50
1803.75	1996.25	2057.50
1808.75	1998.75	2058.75
1815.00	2000.00	2058.75
1818.75	2001.25	2058.75
1825.00	2001.25	2060.00
14:12:00 T 123.062	16:36:00 T 125.312	19:00:00 T 126.000
1835.00	2003.75	2061.25
1838.75	2006.25	2061.25
1843.75	2006.25	2061.25
1848.75	2008.75	2062.50
1852.50	2008.75	2063.75
1856.25	2010.00	2063.75
1861.25	2011.25	Final Shut-In 2063.75
14:28:00 T 123.437	16:52:00 T 125.437	Final Hydrostatic 3152.50
1868.75	2013.75	19:16:00 T 126.125
1872.50	2015.00	3146.25
1876.25	2016.25	
1880.00	2016.25	
1883.75	2017.50	
1886.25	2017.50	
1890.00	2018.75	
14:44:00 T 123.875	17:08:00 T 125.500	
1896.25	2021.25	
1898.75	2021.25	
1902.50	2023.75	
1906.25	2025.00	
1908.75	2026.25	
1911.25	2026.25	
1913.75	2026.25	
15:00:00 T 124.187	17:24:00 T 125.625	
1918.75	2028.75	
1922.50	2028.75	
1925.00	2030.00	
1927.50	2031.25	
1930.00	2031.25	
1932.50	2033.75	
1933.75	2033.75	
15:16:00 T 124.437	17:40:00 T 125.750	
1938.75	2035.00	
1941.25	2036.25	
1943.75	2037.50	
1945.00	2037.50	
1947.50	2038.75	
1948.75	2038.75	
1952.50	2040.00	
15:32:00 T 124.687	17:56:00 T 125.812	
1956.25	2041.25	
1957.50	2042.50	
1960.00	2042.50	
1961.25	2043.75	
1963.75	2043.75	
1965.00	2045.00	
1967.50	2045.00	
15:48:00 T 124.875	18:12:00 T 125.875	
1970.00	2046.25	
1972.50	2047.50	
1973.75	2047.50	
1975.00	2048.75	
1976.25	2048.75	
1978.75	2050.00	
1980.00	2050.00	
16:04:00 T 125.062	18:28:00 T 125.937	
1982.50	2052.50	
1983.75	2052.50	
1986.25	2052.50	
1987.50	2053.75	
1988.75	2053.75	
1990.00	2055.00	
1991.25	2056.25	

LYNES INC.

DMR-312 DIGITAL MEMORY RECORDER NO. 1644 CAP 5000 AT 5542 Ft.

OPERATOR Celsius Energy Company WELL NAME Patterson Canyon Unit # 3 TICKET NO. 04156 DST. NO. 1

<p>04:20:00 T 115.375 3156.25 3155.00 3155.00 3153.75 3153.75 3152.50 3152.50</p> <p>04:36:00 T 116.625 3151.25 3151.25 3151.25 3151.25 3217.50 3205.00 Initial Hydrostatic Start 1st Flow 04:52:00 T 117.312 231.250 268.750 285.000 303.750 325.000 345.000 360.000</p> <p>05:08:00 T 120.250 391.250 403.750 416.250 428.750 440.000 End 1st Flow 511.250 1246.25</p> <p>05:24:00 T 120.062 1683.75 1787.50 1861.25 1913.75 1951.25 1978.75 1998.75</p> <p>05:40:00 T 120.375 2026.25 2036.25 2045.00 2052.50 2058.75 2063.75 2067.50</p> <p>05:56:00 T 120.562 2073.75 2076.25 2078.75 2082.50 2083.75 2086.25 2088.75</p> <p>06:12:00 T 120.812 2093.75 2093.75 2096.25 2098.75 2100.00 2101.25 2103.75</p> <p>06:28:00 T 121.062 2105.00 2106.25 2107.50 2108.75 2108.75 2111.25 2112.50</p>	<p>06:44:00 T 121.250 2115.00 2115.00 2116.25 2116.25 2117.50 2118.75 2118.75</p> <p>07:00:00 T 121.437 2121.25 2121.25 2121.25 2123.75 2123.75 2123.75 2123.75</p> <p>07:16:00 T 121.562 2126.25 2126.25 2126.25 2127.50 2127.50 2127.50 2128.75</p> <p>07:32:00 T 121.812 2128.75 2130.00 2130.00 2130.00 2131.25 2131.25 2131.25</p> <p>07:48:00 T 121.937 2133.75 2133.75 2133.75 2133.75 2135.00 2136.25 2136.25</p> <p>08:04:00 T 122.062 2136.25 2137.50 2136.25 2137.50 2137.50 2137.50 1st Shut-In 2137.50</p> <p>08:20:00 T 122.187 Start 2nd Flow 321.250 338.750 371.250 402.500 423.750 446.250 468.750</p> <p>08:36:00 T 121.500 506.250 522.500 538.750 555.000 570.000 585.000 597.500</p> <p>08:52:00 T 120.812 621.250 630.000 638.750 642.500 667.500 661.250 661.250</p>	<p>09:08:00 T 120.187 673.750 680.000 683.750 686.250 688.750 691.250 693.750</p> <p>09:24:00 T 119.937 701.250 705.000 711.250 716.250 722.500 726.250 731.250</p> <p>09:40:00 T 119.812 738.750 738.750 743.750 745.000 751.250 756.250 761.250</p> <p>09:56:00 T 119.937 773.750 776.250 780.000 785.000 785.000 788.750 790.000</p> <p>10:12:00 T 120.062 797.500 802.500 806.250 807.500 811.250 811.250 815.000</p> <p>10:28:00 T 120.187 823.750 828.750 833.750 833.750 836.250 837.500 842.500</p> <p>10:44:00 T 120.437 847.500 850.000 851.250 852.500 856.250 857.500 858.750</p> <p>11:00:00 T 120.687 866.250 870.000 883.750 915.000 945.000 906.250 893.750</p> <p>11:16:00 T 120.937 880.000 873.750 868.750 878.750 895.000 910.000 901.250</p>	<p>11:32:00 T 121.187 926.250 927.500 925.000 928.750 936.250 942.500 943.750</p> <p>11:48:00 T 121.437 952.500 955.000 931.250 906.250 885.000 865.000 846.250</p> <p>12:04:00 T 121.625 805.000 788.750 777.500 768.750 753.750 741.250 730.000</p> <p>12:20:00 T 121.562 708.750 698.750 687.500 678.750 681.250 678.750 676.250</p> <p>12:36:00 T 121.125 666.250 660.000 662.500 667.500 671.250 686.250 696.250</p> <p>12:52:00 T 120.750 696.250 691.250 687.500 681.250 685.000 692.500 696.250</p> <p>13:08:00 T 120.562 End 2nd Flow 688.750 697.500 1111.25 1397.50 1497.50 1551.25 1587.50</p> <p>13:24:00 T 121.000 1640.00 1658.75 1676.25 1690.00 1695.00 1701.25 1711.25</p> <p>13:40:00 T 121.687 1731.25 1741.25 1748.75 1756.25 1765.00 1771.25 1778.75</p>
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LYNES, INC.

Gas Volume Report

Celsius Energy Company
Operator

Patterson Canyon Unit # 3
Well Name and No.

1
DST No.

Min.	PSIG	Orifice Size	MCF/D	Comments	
15	105	1/4"	177	Initial flow	
20	125	1/4"	206		
25	142	1/4"	231		
30	170	1/4"	272		
0	5	1/4"	30.2	Final flow	
5	50	1/4"	95.7		
10	100	1/4"	169.4		
15	150	1/4"	243		
20	195	1/4"	309.5		
25	210	1/4"	331		
30	245	1/4"	382		
35	250	1/4"	390		
40	285	1/4"	442		
45	290	1/4"	449		
150	285	1/4"	442		
170	255	1/4"	398		
					Flowed well through a separator from 170 minutes to 293 minutes.

Remarks:

LYNES, INC.

Sampler Report

Company Celsius Energy Company Date 6/4/83
Well Name & No. Patterson Canyon Unit # 3 Ticket No. 04156
County San Juan State Utah
Test Interval 5522-5578 Ft. DST No. 1

Total Volume of Sampler: 2150 cc.
Total Volume of Sample: 1100 cc.
Pressure in Sampler: 690 psig
Oil: 400 cc.
Water: None cc.
Mud: 600 cc.
Gas: 2.17 cu. ft.
Other: 100 cc. Emulsified mud and oil

Resistivity

Make Up Water -- @ Salinity Content ppm.
Mud Pit Sample 5.0 @ 75°F Salinity Content 1,050 ppm.
Gas/Oil Ratio 868/1 Gravity 41 °API @ 60 °F

Where was sample drained On location.

Remarks: Recovery:

Top Sample R.W.: Oil

Middle Sample R.W.: Oil

Bottom Sample R.W.: Oil

CELSIUS ENERGY COMPANY
 DST#: 1
 PATTERSON CANYON UNIT # 3
 5522-5578

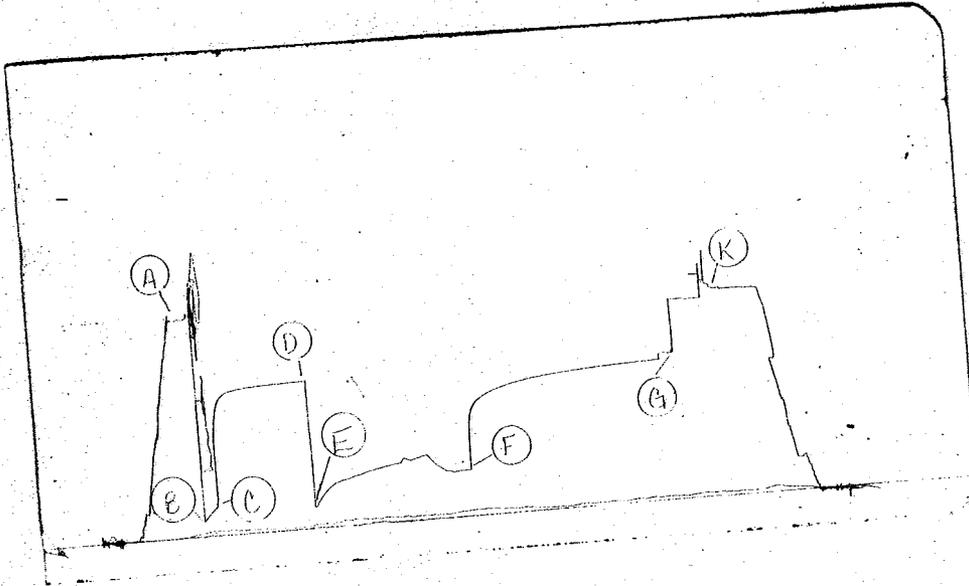
PRESSURE RECORDER NUMBER : 24521

DEPTH : 5502.00ft.
 TYPE : K-3

LOCATION : INSIDE
 CAPACITY : 6625.00 PSI

PRESSURE
 PSI

A)Initial Hydro : 3102.0
 B)1st Flow Start: 223.0
 C)1st Flow End : 410.0
 D)END 1st Shutin: 2089.0
 E)2nd Flow Start: 303.0
 F)2nd Flow End : 658.0
 G)END 2nd Shutin: 2006.0
 K)Final Hydro. : 2978.0



TEST TIMES(MIN)
 1st FLOW : 30
 SHUTIN:178
 2nd FLOW : 290
 SHUTIN:360

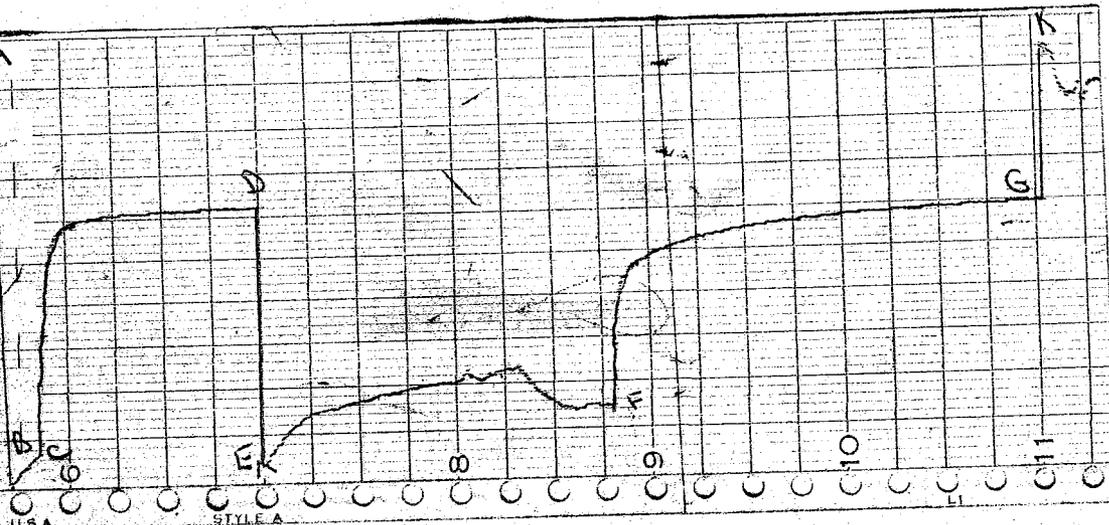
PRESSURE RECORDER NUMBER : 1644

DEPTH : 5578.00ft.
 TYPE : DMR-312

LOCATION : OUTSIDE
 CAPACITY : 5000.00 PSI

PRESSURE
 PSI

A)Initial Hydro : 3205.0
 B)1st Flow Start: 319.0
 C)1st Flow End : 511.0
 D)END 1st Shutin: 2138.0
 E)2nd Flow Start: 321.0
 F)2nd Flow End : 698.0
 G)END 2nd Shutin: 2064.0
 K)Final Hydro. : 3153.0



LYNES, INC.

Distribution of Final Reports

Celsius Energy Company
Operator

Patterson Canyon Unit # 3
Well Name and No.

Original &

1 copy: Celsius Energy Company, P.O. Box 458, Rock Springs, Wyoming 82901,

Attn: Petroleum Engineer

2 copies: Minerals Management Service, 2000 Administration Building, 1745 W. 1700 S.

Salt Lake City, Utah 84104, Attn: Edgar Guynn

2 copies: Utah Oil, Gas & Mining, 1588 W. North Temple, Salt Lake City, Utah 84116

2 copies: Celsius Energy Company, P.O. Box 11070, Salt Lake City, Utah 84147, Attn:

Roger W. Fallon

2 copies: Celsius Energy Company, P.O. Box 2329, Farmington, New Mexico, 87401

2 copies: Mobil Oil Corporation, P.O. Box 5444, Denver, Co. 80217, Attn: Division

Production Geologist

1 copy: Placid Oil Company, 410 17th St., Ste. 2000, Denver, Co. 80202, Attn:

Operation Geologist

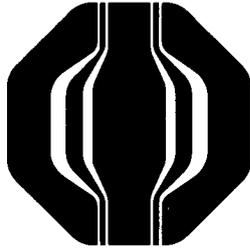
1 copy: Williams Exploration Company, 3025 Parker Rd., Ste. 601, Aurora, Colorado

80214, Attn: Jim Woods

1 copy: MCOR Oil & Gas Corporation, 10880 Wilshire Blvd., LA, California 90024,

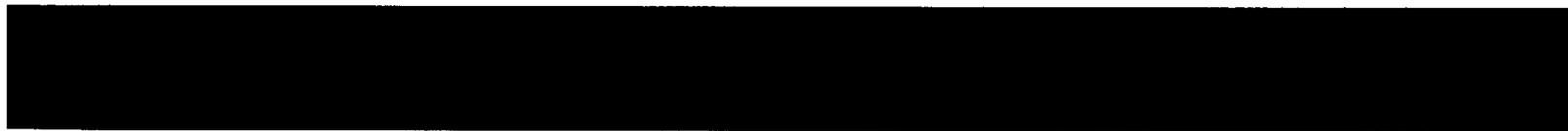
Attn: Operations Geologist

1 copy: Marvin Wolf, P.O. Box 715, Denver, Co. 80201



LYNES

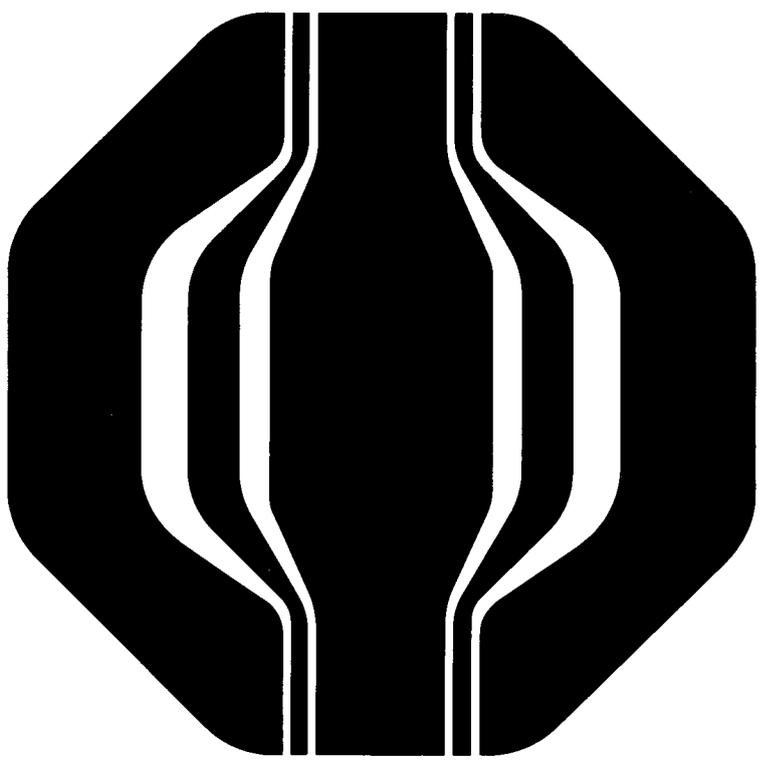
Phone 713-790-9132
Box 12486
Houston, TX 77017



Operator Mexpro Co.
Address San Antonio, Texas

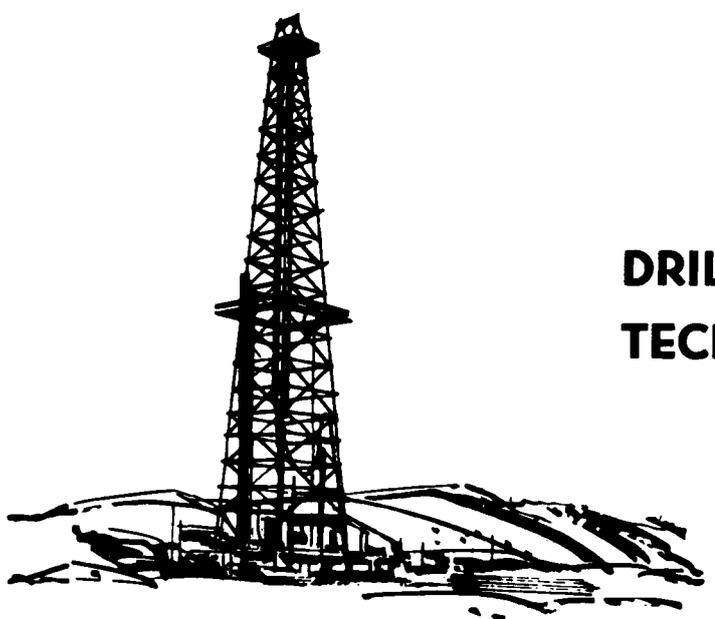
Well Name and No. Patterson Unit # 3
Tracker No. 04123
Date 2/27/70

DST No. 2
No. Final Review 12



LYNES

**DRILL STEM TEST
TECHNICAL SERVICE REPORT**

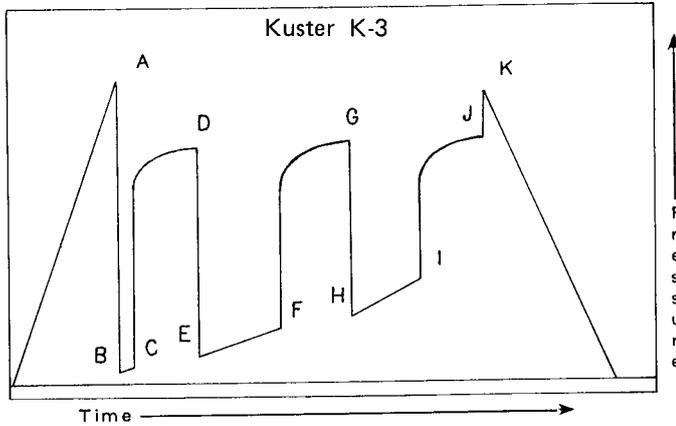
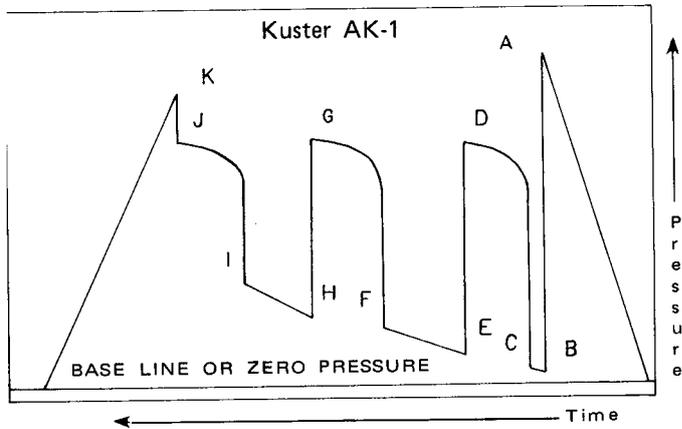


GUIDE TO INTERPRETATION AND IDENTIFICATION OF LYNES DRILL STEM TEST PRESSURE CHARTS

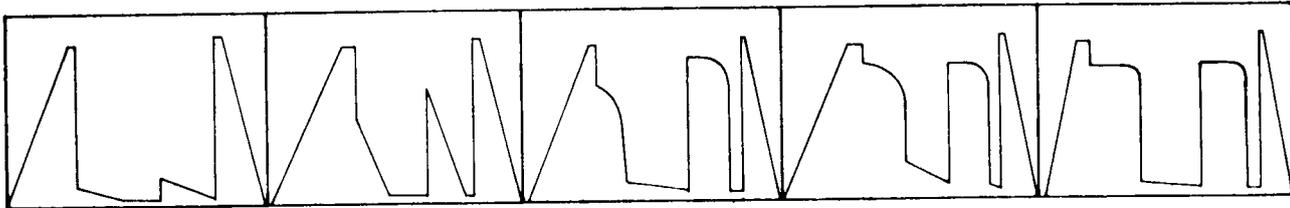
In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our agents or employees.

AK-1 recorders. Read from right to left.

K-3 recorders. Read from left to right.



- A – Initial Hydrostatic
- B – First Initial Flow
- C – First Final Flow
- D – Initial Shut-in
- E – Second Initial Flow
- F – Second Final Flow
- G – Second Shut-in
- H – Third Initial Flow
- I – Third Final Flow
- J – Third Shut-in
- K – Final Hydrostatic



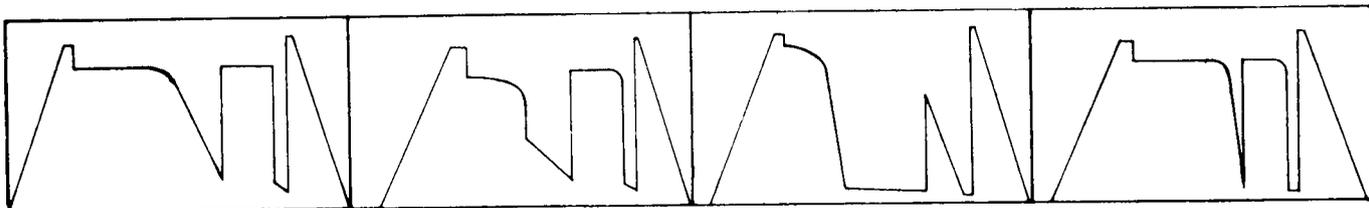
Very low permeability. Usually only mud recovered from interval tested. Virtually no permeability.

Slightly higher permeability. Again usually mud recovered.

Slightly higher permeability. Small recovery, less than 200 ft.

Average permeability. Final and initial shut-ins differ by 50 psi.

Average permeability. Strong damage effect. High shut-in pressure, low flow pressure.



Excellent permeability where final flow final shut-in pressure.

High permeability where ISIP and FSIP are within 10 psi.

Deep well bore invasion or damage. Final shut-in higher than the initial shut-in.

Tight hole chamber tester. Permeability very difficult to interpret unless the recovery is less than chamber length. Flow pressure builds up rapidly if recovery is large, similar to a shut-in.

Phone
713-790-9132

LYNES, INC.

Box 12486
Houston, TX 77017

Contractor Arapahoe
Rig No. 4
Spot SW-NE
Sec. 5
Twp. 38S
Rng. 25E
Field Patterson Canyon
County San Juan
State Utah
Elevation 5342 Ft. K.B.
Formation Desert Creek

Top Choke 1/2"
Bottom Choke 1"
Size Hole 8 3/4"
Size Rat Hole --
Size & Wt. D. P. 4 1/2" XH 16.60
Size Wt. Pipe --
I. D. of D. C. 2 1/2"
Length of D. C. 614 Ft.
Total Depth 5860 Ft.
Interval Tested 5816-5860 Ft.
Type of Test Bottom Hole
Conventional

Flow No. 1 30 Min.
Shut-in No. 1 120 Min.
Flow No. 2 240 Min.
Shut-in No. 2 356 Min.
Flow No. 3 -- Min.
Shut-in No. 3 -- Min.

Bottom
Hole Temp. 125.3 °F
Mud Weight 10.5
Gravity --
Viscosity 41

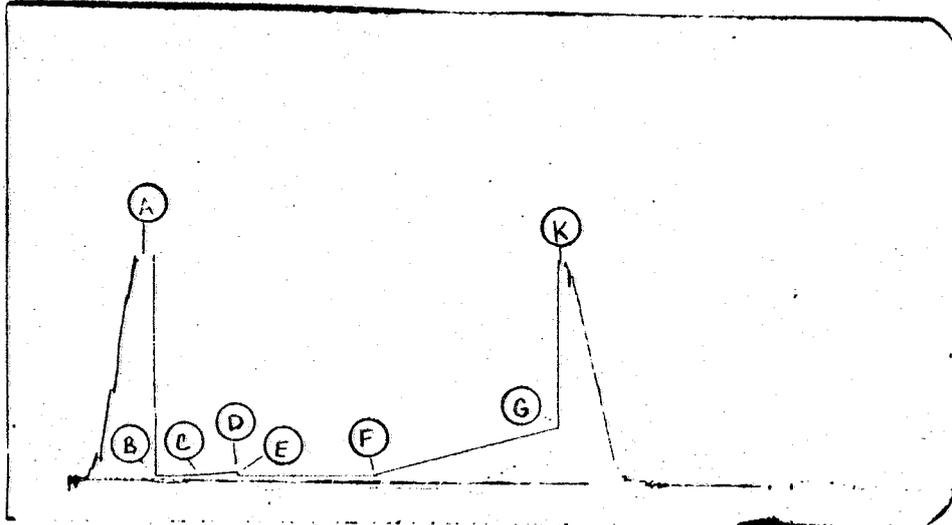
Tool opened @ 3:42 AM

Outside Recorder

PRD Make Kuster K-3
No. 23883 Cap. 6800 @ 5836'

	Press	Corrected
Initial Hydrostatic	A	3254
Final Hydrostatic	K	3274
Initial Flow	B	69
Final Initial Flow	C	71
Initial Shut-in	D	133
Second Initial Flow	E	82
Second Final Flow	F	80
Second Shut-in	G	819
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist. Rock Springs, WY.
Our Tester Lance Sipma
Witnessed By Mike Sliger



Did Well Flow - Gas No Oil No Water No

RECOVERY IN PIPE:

100 Ft. Total fluid = .49 bbl.
5 Ft. Oil = .02 bbl.
95 Ft. Oil & gas cut mud = .47 bbl.

Blow Description

1st Flow: Tool opened with a 1/2" underwater blow, increased to the bottom of the bucket in 1 minute, increased to 1 psi in 5 minutes and remained thru the flow period.

2nd Flow: Tool opened with a 1" underwater blow, increased to 1 psi in 5 minutes, decreased to 13" in 80 minutes, decreased to 8" in 210 minutes and remained thru 240 minutes.

Comments:

The test results indicate a mechanically successful test with no problems encountered. The flow and shut-in curves suggest very low permeability within the zone tested.

Operator
Wexpro Co.

Address
See Distribution

Well Name and No.

Ticket No. 04157

Date 6/7/83

No. Final Copies 16

Patterson Unit # 3

DST No. 2

Location: SW-NE-5-38S-25E
 Test Type: BOTTOM HOLE CONVENTIONAL
 Formation: DESERT CREEK

Recorder Number: 1644
 Recorder Depth: 5860 ft.

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P PSI	PRESSURE (T+dt)/dt PSI	PRESSURE SQUARED PSI ² /10 ⁶
A	INITIAL HYDROSTATIC	0.0		3314.0	
B	START OF 1st FLOW	0.0		90.0	
C	END OF 1st FLOW	30.0		95.0	
	1st SHUTIN PERIOD	0.0	0.0	95.0	0.0000
		6.0	1.0	96.0	6.0000
		12.0	2.0	97.0	3.5000
		18.0	3.0	98.0	2.6667
		24.0	4.0	99.0	2.2500
		30.0	6.0	101.0	2.0000
		40.0	14.0	109.0	1.7500
		50.0	17.0	112.0	1.6000
		60.0	24.0	119.0	1.5000
		70.0	36.0	131.0	1.4286
		80.0	49.0	144.0	1.3750
		90.0	59.0	154.0	1.3333
		100.0	65.0	160.0	1.3000
		110.0	71.0	166.0	1.2727
D	END OF 1st SHUTIN	120.0	86.0	181.0	1.2500
E	START OF 2nd FLOW	0.0		95.0	
F	END OF 2nd FLOW	240.0		118.0	
	2nd SHUTIN PERIOD	0.0	0.0	118.0	1.2500
		10.0	25.0	143.0	28.0000
		20.0	48.0	166.0	14.5000
		30.0	70.0	188.0	10.0000
		40.0	91.0	209.0	7.7500
		50.0	113.0	231.0	6.4000
		60.0	133.0	251.0	5.5000
		70.0	153.0	271.0	4.8571
		80.0	173.0	291.0	4.3750
		90.0	195.0	313.0	4.0000
		100.0	213.0	331.0	3.7000
		110.0	233.0	351.0	3.4545
		120.0	253.0	371.0	3.2500
		130.0	273.0	391.0	3.0769
		140.0	293.0	411.0	2.9286
		150.0	315.0	433.0	2.8000
		160.0	336.0	454.0	2.6875
		170.0	357.0	475.0	2.5882

WEXPRO COMPANY
 DST#: 2
 PATTERSON UNIT # 3
 5816-5860

Location: SW-NE-5-38S-25E
 Test Type: BOTTOM HOLE CONVENTIONAL
 Formation: DESERT CREEK

Recorder Number: 1644
 Recorder Depth: 5860 ft.

TIME-PRESSURE LISTING

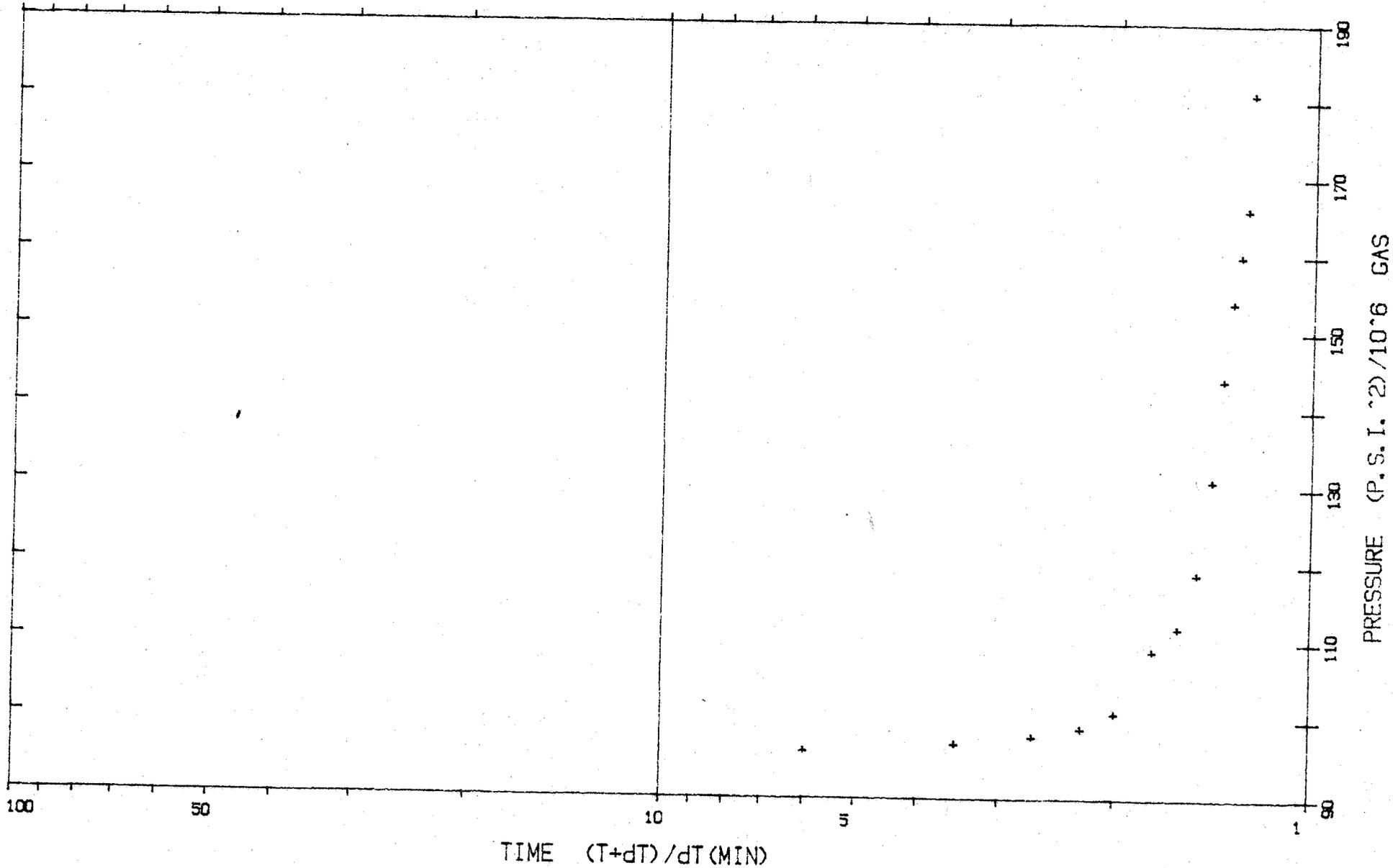
CHART LABEL	COMMENTS	TIME MIN.	DELTA P PSI	PRESSURE PSI	(T+dt)/dt ABSCISSA	PRESSURE SQUARED PSI ² /10 ⁶
		180.0	380.0	498.0	2.5000	
		190.0	401.0	519.0	2.4211	
		200.0	423.0	541.0	2.3500	
		210.0	443.0	561.0	2.2857	
		220.0	466.0	584.0	2.2273	
		230.0	488.0	606.0	2.1739	
		240.0	510.0	628.0	2.1250	
		250.0	531.0	649.0	2.0800	
		260.0	553.0	671.0	2.0385	
		270.0	576.0	694.0	2.0000	
		280.0	598.0	716.0	1.9643	
		290.0	621.0	739.0	1.9310	
		300.0	642.0	760.0	1.9000	
		310.0	665.0	783.0	1.8710	
		320.0	688.0	806.0	1.8438	
		330.0	711.0	829.0	1.8182	
		340.0	735.0	853.0	1.7941	
		350.0	758.0	876.0	1.7714	
G	END OF 2nd SHUTIN	356.0	772.0	890.0	1.7584	
K	FINAL HYDROSTATIC	0.0		3301.0		

* VALUES USED FOR EXTRAPOLATIONS

OPERATOR: WEXPRO COMPANY
WELL NAME: PATTERSON UNIT # 3
LOCATION: SW-NE-5-38S-25E
FIRST SHUT-IN
RECORDER: 1644

DST #: 2

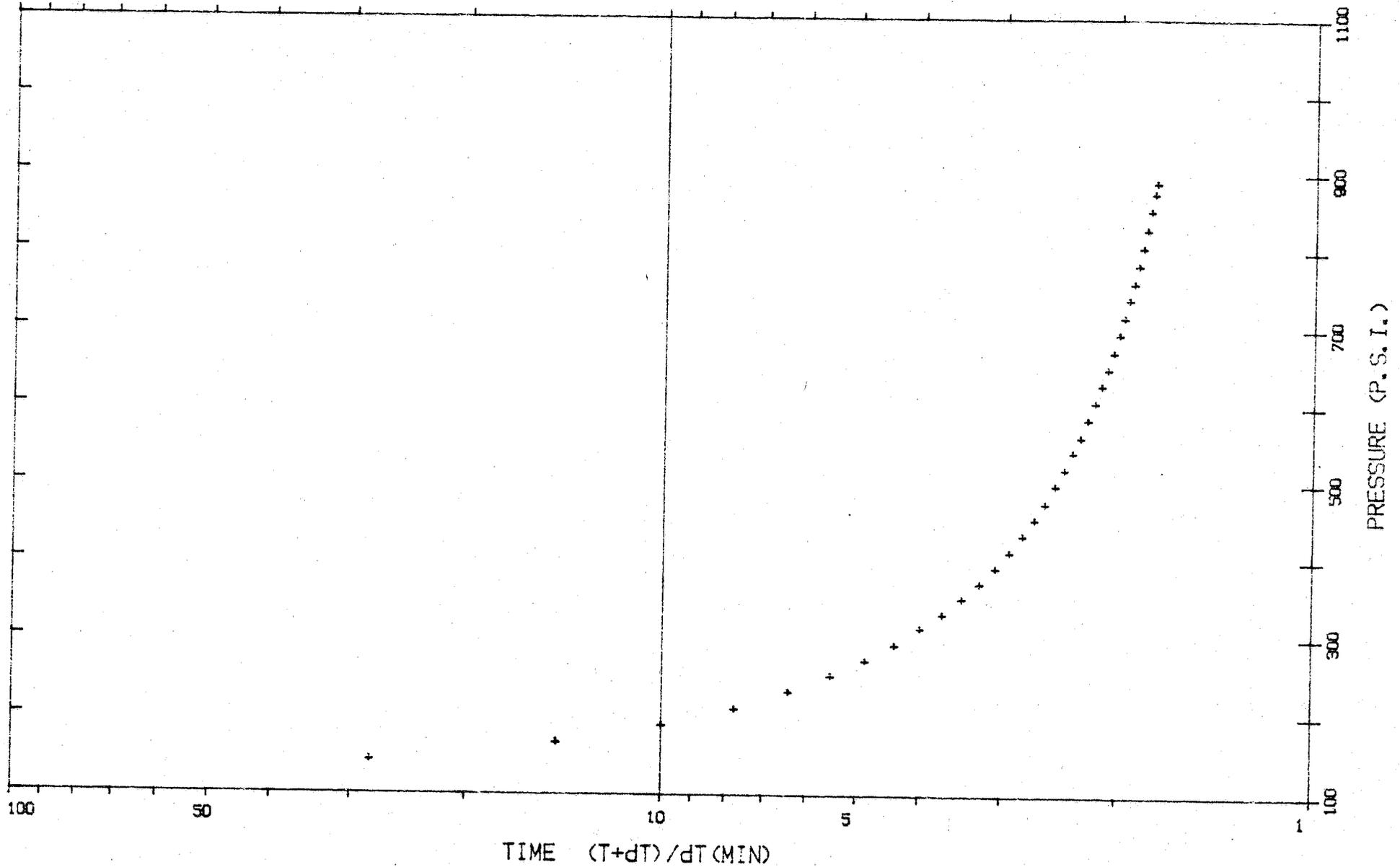
DEPTH: 5960



OPERATOR: WEXPRO COMPANY
WELL NAME: PATTERSON UNIT # 3
LOCATION: SW-NE-5-38S-25E
SECOND SHUT-IN
RECORDER: 1644

DST #: 2

DEPTH: 5860



LYNES INC.

DMR-312 DIGITAL MEMORY RECORDER NO. 1644 CAP 5000 AT 5860

OPERATOR Wexpro Company

WELL NAME Patterson Unit # 3

TICKET NO. 04157

DST. NO 2

3:18:00 T 124.000
506.250
510.000
513.750
518.750
522.500
526.250
531.250

3:34:00 T 124.125
541.250
545.000
550.000
553.750
557.500
561.250
566.250

3:50:00 T 124.250
575.000
578.750
583.750
587.500
591.250
596.250
601.250

4:06:00 T 124.375
610.000
613.750
618.750
623.750
627.500
631.250
~~635.250~~

4:22:00 T 124.500
645.000
648.750
653.750
658.750
661.250
666.250
671.250

4:38:00 T 124.625
681.250
683.750
688.750
693.750
698.750
702.500
706.250

4:54:00 T 124.750
716.250
721.250
725.000
728.750
733.750
738.750
742.500

5:10:00 T 124.812
751.250
756.250
760.000
765.000
770.000
773.750
778.750

5:26:00 T 124.937
787.500
792.500
796.250
802.500
806.250
811.250
815.000

5:42:00 T 125.062
823.750
828.750
833.750
838.750
842.500
847.500
852.500

5:58:00 T 125.187
861.250
866.250
871.250
876.250
880.000
885.000
890.000

2nd Shut-In 890.000
6:14:00 T 125.312
Final Hydrostatic 891.25
899.75

LYNES, INC.

Sampler Report

Company Wexpro Company Date 6/7/83
Well Name & No. Patterson Unit # 3 Ticket No. 04157
County San Juan State Utah
Test Interval 5816-5860 Ft. DST No. 2

Total Volume of Sampler: 2150 cc.
Total Volume of Sample: 1400 cc.
Pressure in Sampler: 20 psig
Oil: Trace cc.
Water: None cc.
Mud: 1400 cc.
Gas: .06 cu. ft.
Other: --

Sample R.W.: .02 @ 75°F = 200,000 ppm. cl.

Resistivity

Make Up Water -- Salinity Content _____ ppm.
Mud Pit Sample 1.5 @ 70°F Salinity Content 4,000 ppm. Na cl. ppm.
Gas/Oil Ratio -- Gravity _____ °API @ _____ °F

Where was sample drained On location.

Remarks: Recovery:

Top Sample R.W.: Oil

Middle Sample R.W.: .32 @ 86°F = 16,500 ppm. Na.cl.

10,200 ppm. cl.

Bottom Sample R.W.: .67 @ 85°F = 7,500 ppm. Na. cl.

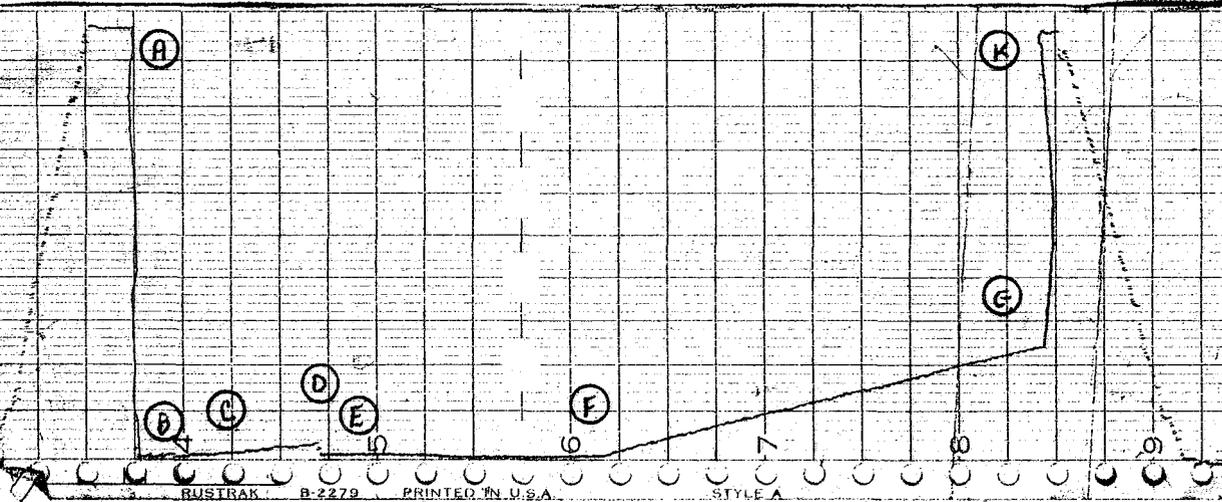
5,650 ppm. cl.

PRESSURE RECORDER NUMBER : 1644

DEPTH : 5860.00ft. LOCATION : OUTSIDE
 TYPE : DMR-312 CAPACITY : 5000.00 PSI

PRESSURE
PSI

A)Initial Hydro : 3314.0
 B)1st Flow Start: 90.0
 C)1st Flow End : 95.0
 D)END 1st Shutin: 181.0
 E)2nd Flow Start: 95.0
 F)2nd Flow End : 118.0
 G)END 2nd Shutin: 890.0
 K)Final Hydro. : 3301.0



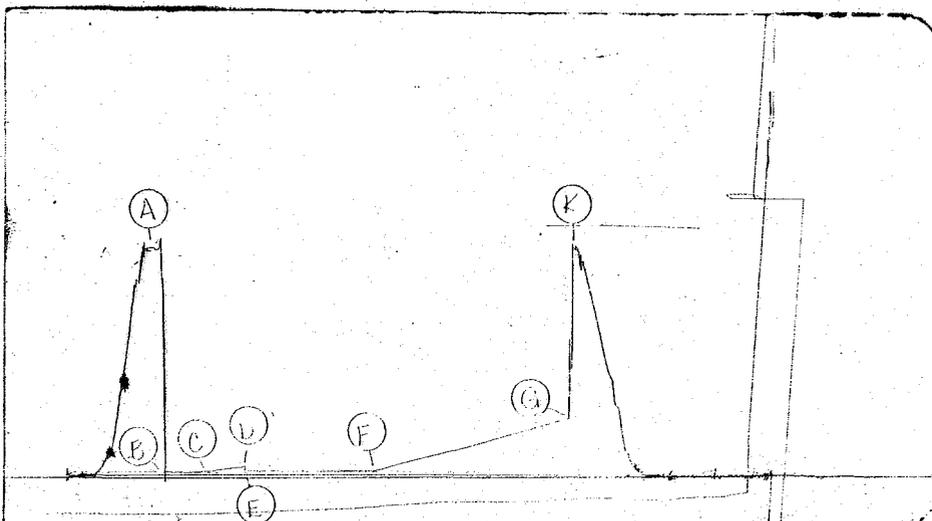
TEST TIMES (MIN)
 1st FLOW : 30
 SHUTIN: 120
 2nd FLOW : 240
 SHUTIN: 356

PRESSURE RECORDER NUMBER : 24521

DEPTH : 5800.00ft. LOCATION : INSIDE
 TYPE : K-3 CAPACITY : 6625.00 PSI

PRESSURE
PSI

A)Initial Hydro : 3261.0
 B)1st Flow Start: 58.0
 C)1st Flow End : 47.0
 D)END 1st Shutin: 129.0
 E)2nd Flow Start: 66.0
 F)2nd Flow End : 66.0
 G)END 2nd Shutin: 832.0
 K)Final Hydro. : 3262.0



LYNES, INC.

Distribution of Final Reports

Wexpro Company
Operator

Patterson Unit # 3
Well Name and No.

Original &

1 copy: Celsius Energy Company, P.O. Box 458, Rock Springs, Wyoming 82901,
Attn: Petroleum Engineer

2 copies: Minerals Management Service, 2000 Administration Building, 1745 W. 1700 S.
Salt Lake City, Utah 84104, Attn: Edgar Guynn

2 copies: Utah Oil, Gas & Mining, 1588 W. North Temple, Salt Lake City, Utah 84116

2 copies: Celsius Energy Company, P.O. Box 11070, Salt Lake City, Utah 84147, Attn:
Roger W. Fallon

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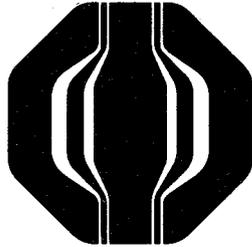
1 copy: Marvin Wolf, P.O. Box 715, Denver, Co. 80201

NOMENCLATURE (Definition of Symbols)

- Q = average production rate during test, bbls./day
- Q_g = measured gas production rate during test, MCF/day
- k = permeability, md
- h = net pay thickness, ft. (when unknown, test interval is chosen)
- μ = fluid viscosity, centipoise
- Z = compressibility factor
- T_f = reservoir temperature, ° Rankine
- m = slope of final SIP buildup plot, psig/cycle (psig²/cycle for gas)
- b = approximate radius of investigation, feet
- r_w = wellbore radius, feet
- t_o = total flowing time, minutes
- P_o = Extrapolated maximum reservoir pressure, psig
- P_f = final flowing pressure, psig
- P.I. = productivity index, bbls./day/psi
- P.I._t = theoretical productivity index with damage removed, bbl./day/psi
- D.R. = damage ratio
- E.D.R. = estimated damage ratio
- AOF = absolute open flow potential, MCF/D
- AOF_t = theoretical absolute open flow if damage were removed
- Z = subsea depth
- W = water gradient based on salinity
- H_w = potentiometric surface

INTERPRETATION CALCULATIONS (OIL/WATER)	
AVERAGE PRODUCTION RATE DURING TEST $Q = \frac{1440 \text{ [drill collar capacity} \times \text{recovery} + \text{drill pipe capac.} \times \text{recovery}]}{\text{initial flow time} + \text{final flow time}}$ $= \frac{1440 \left[\left(\frac{\quad}{\quad} \right) + \left(\frac{\quad}{\quad} \right) \right]}{\left(\frac{\quad}{\quad} \right) + \left(\frac{\quad}{\quad} \right)}$ $= \frac{1440 \{ .0145 \text{ or } .0073 \} \left(\frac{\quad}{\quad} \right)}{\left(\frac{\quad}{\quad} \right) + \left(\frac{\quad}{\quad} \right)}$ Mud Expansion =ft. (Drill Collar Conversion Is Considered)	
FLUID PROPERTIES Estimated Bottom Hole Temperature ° API Gravity @ 60° F. ° Specific Gravity @ 60° F. Est. Viscosity cp	
TRANSMISSIBILITY $\frac{kh}{\mu} = \frac{162.6Q}{m} = \frac{162.6 \left(\frac{\quad}{\quad} \right)}{\left(\frac{\quad}{\quad} \right)} = \text{..... md-ft/cp}$	
IN SITU CAPACITY $kh = \left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right) = \text{..... md-ft.}$	
AVERAGE EFFECTIVE PERMEABILITY Estimated Pay Thickness Ft. Actual Pay Thickness Ft. $k = \left(\frac{\quad}{\quad} \right) = \text{..... md.}$	
PRODUCTIVITY INDEX $PI = \frac{Q}{P_o - P_f} = \frac{\left(\frac{\quad}{\quad} \right)}{\left(\frac{\quad}{\quad} \right) - \left(\frac{\quad}{\quad} \right)} = \text{..... bbl./day-psi}$	
DAMAGE RATIO $D.R. = \frac{0.183 (P_o - P_f)}{m} = 0.183 \left[\left(\frac{\quad}{\quad} \right) - \left(\frac{\quad}{\quad} \right) \right] = \text{.....}$	
PRODUCTIVITY INDEX WITH DAMAGE REMOVED $P.I._t = P.I. \times D.R. = \left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right) = \text{..... bbl./day-psi}$	
APPROXIMATE RADIUS OF INVESTIGATION $b = \sqrt{kt_o} = \sqrt{\left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right)} = \text{..... ft.}$	
Drawdown Factor = I.S.I.P. - F.S.I.P. x 100 = $\left(\frac{\quad}{\quad} - \frac{\quad}{\quad} \right) \times 100 = \text{.....} \%$ (4% to 5% is considered serious or substantial)	
Potentiometric Surface = H _w = Z + $\frac{P_o}{W}$ H _w = + $\left(\frac{\quad}{\quad} \right) = \text{.....} \pm \text{..... ft.}$	

INTERPRETATION CALCULATIONS (GAS)	
R(T _f) =°	
ESTIMATED GAS PROPERTIES Estimated Bottom Hole Temperature ° Gravity @ 60° F. Viscosity (Res.) cp. Compressibility Factor (Z)	
TRANSMISSIBILITY Measured D.S.T. Gas Rate = mcf/d. $\frac{kh}{\mu} = \frac{1637 Q_g Z T_f}{m} = \frac{1637 \left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right)}{\left(\frac{\quad}{\quad} \right)} = \text{..... md-ft. cp.}$	
IN SITU CAPACITY $kh = \left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right) = \text{..... md-ft.}$	
AVERAGE EFFECTIVE PERMEABILITY Estimated Pay Thickness Ft. Actual Pay Thickness Ft. $k = \left(\frac{\quad}{\quad} \right) = \text{..... md.}$	
APPROXIMATE RADIUS OF INVESTIGATION $b = 0.02 \sqrt{kt_o P_o} = 0.02 \sqrt{\left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right)} = \text{..... ft.}$	
ACTUAL CAPACITY $kh = \frac{3270 Q_g \mu Z T_f \log \left[\frac{b}{0.472 r_w} \right]}{P_o^2 - P_f^2} = \frac{3270 \left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right)}{\left(\frac{\quad}{\quad} \right) - \left(\frac{\quad}{\quad} \right)} = \text{..... md-ft.}$	
ESTIMATED DAMAGE RATIO $E.D.R. = \frac{[P_o^2 - P_f^2]}{m \log \left[\frac{P_o}{P_f} + 2.65 \right]} \quad E.D.R. = \text{.....}$	
ESTIMATED RANGE OF AOF POTENTIAL $\text{Max. AOF} = \frac{Q_g P_o^2}{P_o^2 - P_f^2} = \frac{\left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right)}{\left(\frac{\quad}{\quad} \right) - \left(\frac{\quad}{\quad} \right)} = \text{..... MCF/D}$ $\text{Min. AOF} = \frac{Q_g P_o}{\sqrt{P_o^2 - P_f^2}} = \frac{\left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right)}{\sqrt{\left(\frac{\quad}{\quad} \right) - \left(\frac{\quad}{\quad} \right)}} = \text{..... MCF/D}$	
ESTIMATED RANGE OF AOF POTENTIAL, DAMAGE REMOVED $\text{Max. AOF}_t = (\text{Max. AOF}) (D.R.) = \left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right) = \text{..... MCF/D}$ $\text{Min. AOF}_t = (\text{Min. AOF}) (D.R.) = \left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right) = \text{..... MCF/D}$	
Drawdown Factor = I.S.I.P. - F.S.I.P. x 100 = $\left(\frac{\quad}{\quad} - \frac{\quad}{\quad} \right) \times 100 = \text{.....} \%$ (4% to 5% is considered serious or substantial)	
Potentiometric Surface = H _w = Z + $\frac{P_o}{W}$ H _w = + $\left(\frac{\quad}{\quad} \right) = \text{.....} \pm \text{..... ft.}$	

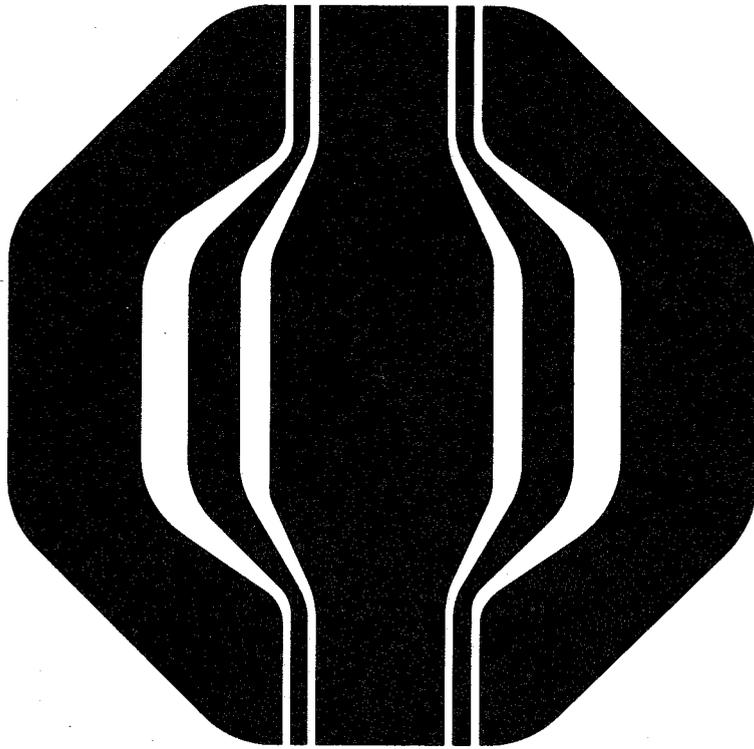


LYNES

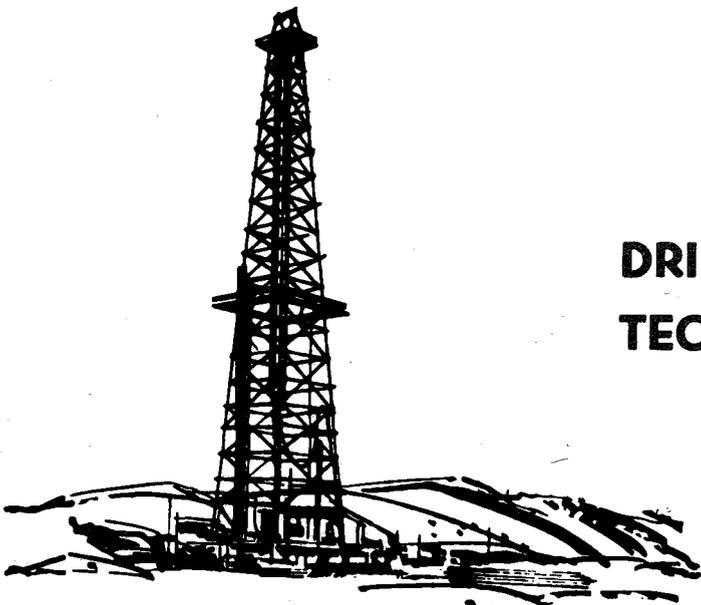
Phone 713-790-9132

Box 12486

Houston, TX 77017



LYNES



**DRILL STEM TEST
TECHNICAL SERVICE REPORT**

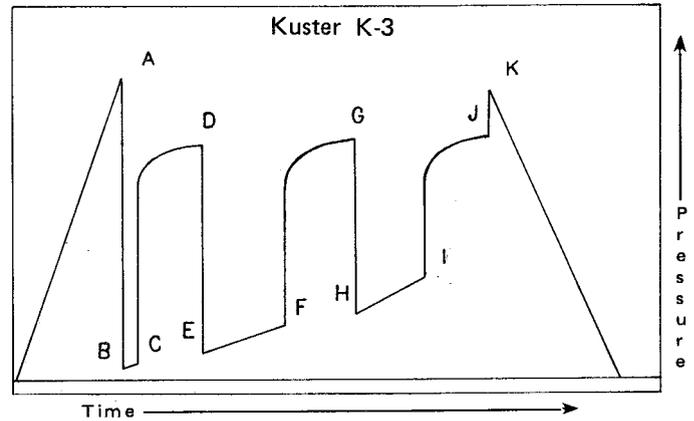
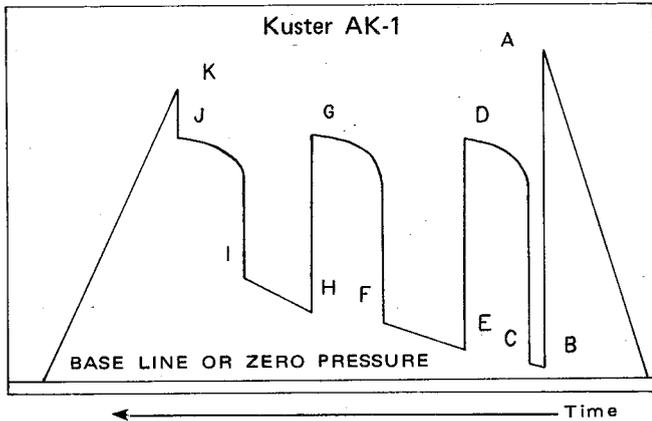
Operator Mexpro Co. Well Name and No. Patterson Unit # 3 DST No. 1
Address See Distribution Ticket No. 04156 Date 6/4/83 No. Final Copies 16

GUIDE TO INTERPRETATION AND IDENTIFICATION OF LYNES DRILL STEM TEST PRESSURE CHARTS

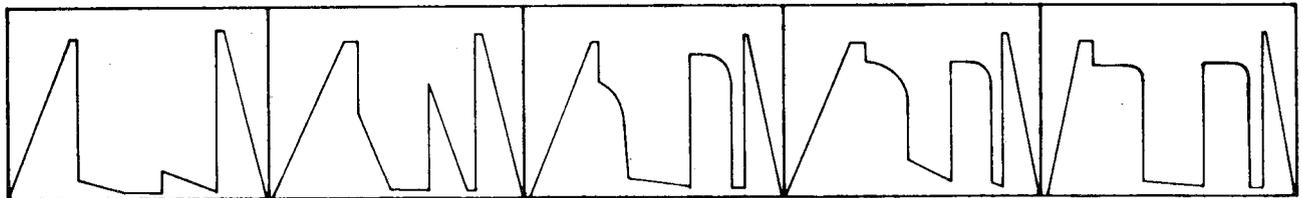
In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our agents or employees.

AK-1 recorders. Read from right to left.

K-3 recorders. Read from left to right.



- A – Initial Hydrostatic
- B – First Initial Flow
- C – First Final Flow
- D – Initial Shut-in
- E – Second Initial Flow
- F – Second Final Flow
- G – Second Shut-in
- H – Third Initial Flow
- I – Third Final Flow
- J – Third Shut-in
- K – Final Hydrostatic



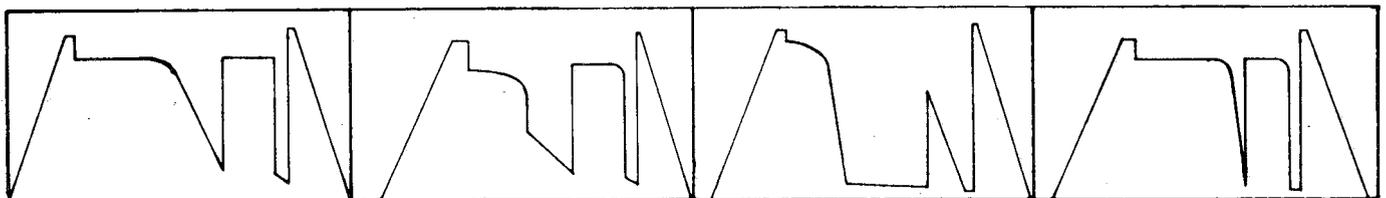
Very low permeability. Usually only mud recovered from interval tested. Virtually no permeability.

Slightly higher permeability. Again usually mud recovered.

Slightly higher permeability. Small recovery, less than 200 ft.

Average permeability. Final and initial shut-ins differ by 50 psi.

Average permeability. Strong damage effect. High shut-in pressure, low flow pressure.



Excellent permeability where final flow final shut-in pressure.

High permeability where ISIP and FSIP are within 10 psi.

Deep well bore invasion or damage. Final shut-in higher than the initial shut-in.

Tight hole chamber tester. Permeability very difficult to interpret unless the recovery is less than chamber length. Flow pressure builds up rapidly if recovery is large, similar to a shut-in.

Contractor Arapahoe
 Rig No. 4
 Spot SW-NE
 Sec. 5
 Twp. 38S
 Rng. 25E
 Field Patterson Canyon
 County San Juan
 State Utah
 Elevation 5342 Ft. K.B.
 Formation Ismay

Top Choke 1"
 Bottom Choke 1"
 Size Hole 8 3/4"
 Size Rat Hole --
 Size & Wt. D. P. 4 1/2" XH 16.60
 Size Wt. Pipe --
 I. D. of D. C. 2 1/4"
 Length of D. C. 644 Ft.
 Total Depth 5578 Ft.
 Interval Tested 5522-5578 Ft.
 Type of Test Bottom Hole
Conventional

Flow No. 1 30 Min.
 Shut-in No. 1 178 Min.
 Flow No. 2 290 Min.
 Shut-in No. 2 360 Min.
 Flow No. 3 -- Min.
 Shut-in No. 3 -- Min.

Bottom
 Hole Temp. 122°F
 Mud Weight 10.2
 Gravity --
 Viscosity 37

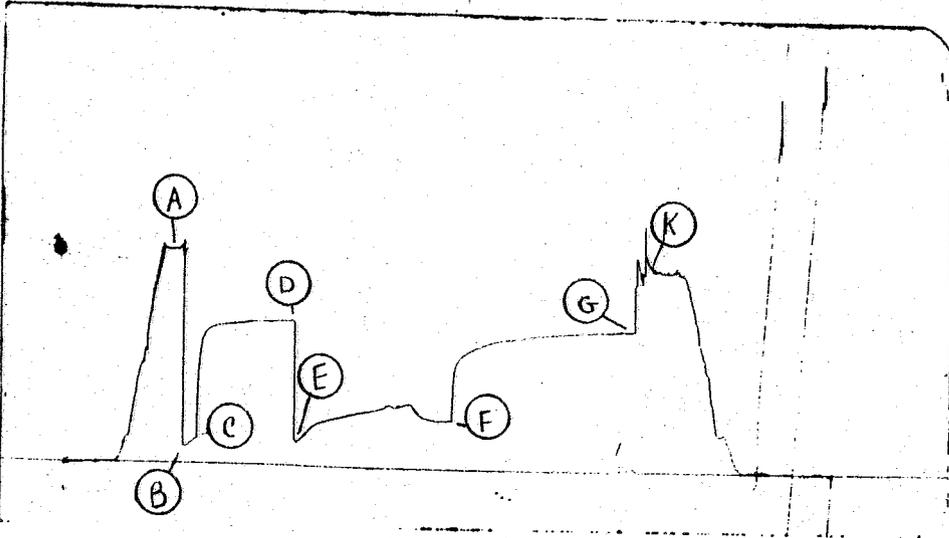
Tool opened @ 4:49 AM

Outside Recorder

PRD Make Kuster K-3
 No. 23883 Cap. 6800 @ 5542'

	Press	Corrected
Initial Hydrostatic	A	3131
Final Hydrostatic	K	2920
Initial Flow	B	257
Final Initial Flow	C	381
Initial Shut-in	D	2102
Second Initial Flow	E	350
Second Final Flow	F	669
Second Shut-in	G	2011
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--
Extrapolated ISI:		2168 PSI
Extrapolated FSI:		2191.7 (PSI)

Lynes Dist.: Rock Springs, WY.
 Our Tester: Lance Sipma
 Witnessed By: Mike Sliger



Did Well Flow -- Gas Yes Oil Yes Water No

RECOVERY IN PIPE:

1081 Ft. Total fluid = 9.36 bbls.
 1081 Ft. Oil = 9.36 bbls.
 [Test Was Reverse Circulated]

Blow Description

1st Flow:

Tool opened with a 1" underwater blow, increased to the bottom of the bucket in 1 minute, increased to 23 psi in 5 minutes, with gas to surface in 15 minutes with 105 psi, increased to 170 psi in 30 minutes. See Gas Volume Report.

2nd Flow:

Tool opened with gas to surface immediately, well flowed fluid to surface 170 minutes into the flow period, measured thru a separator. See Gas Volume Report.

Address See Distribution
 Operator Mexpro Co.
 Well Name and No. Patterson Unit # 3
 Ticket No. 04156
 Date 6/4/83
 No. Final Copies 16

LYNES, INC.

Wexpro Co.

Patterson Unit # 3

Operator

Well Name and No.

1
DST No.

Comments Relative to DST # 1 run on Patterson Canyon Unit # 3 run in San Juan County, Utah, SW-NE-5-38S-25E

The following calculations were performed by plotting the time pressure data on a semi-log scale and using the resultant slope and extrapolated pressure in the appropriate fluid calculations.

The calculated flow capacity of 50.23 md/ft indicates an average effective permeability of 1.0 md over the 50 feet of estimated pay thickness.

The calculated skin factor of -1.21 on the damage ratio of 0.75 indicates that the zone was not damaged at the time of this test.

The final shut-in was extrapolated to 2191.74 psi and had a slope of 462.53 psi/cycle. This extrapolated pressure is equivalent to a subsurface pressure gradient of 0.393 psi/ft at the recorder depth of 5578 feet.

Please note that these calculations should be used as indicators only since many of the parameters used have been estimated.



T.H. Adams, C.E.T.
Technical Service Manager

*** LYNES INC. ***

Operator.....: WEXPRO COMPANY
Well ID.....: PATTERSON UNIT # 3
Location.....: SW-NE-5-38S-25E
DST Number.....: 1
Formation.....: ISMAY
Type of test....: BOTTOM HOLE CONVENTIONAL
Test interval...: 5522-5578
Recorder number : 1644
Recorder depth : 5578

RESERVOIR CALCULATIONS: Fluid calculations based on 2nd shut-in

RESERVOIR PARAMATERS USED:

Net Pay.....:	50.00 ft.
Porosity.....:	12.00 %
Compressibility.....:	.000014 /psi
Flow rate.....:	150.00 bbl/day
Extrapolation.....:	2191.74 psi
Slope.....:	462.53 psi/cycle
Wellbore radius.....:	.36 ft.
Total flowing time.....:	320.00 minutes
Final flowing pressure:	698.00 psi
Formation vol. factor :	1.27 rb/stb
Viscosity.....:	.75 cp

RESULTS:

Effective Permeability..(k)....:	1.00 md
Flow capacity.....(kh)....:	50.23 md-ft
Transmissibility.....(kh/u)....:	66.97 md-ft/cp
Skin.....(s)....:	-1.21
Damage ratio.....:	.75
Productivity index.....:	.10 bbl-day/psi
Radius of investigation.....:	59.80 ft.

Location: SW-NE-5-38S-25E
Test Type: BOTTOM HOLE CONVENTIONAL
Formation: ISMAY

Recorder Number: 1644
Recorder Depth: 5578 ft.

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P PSI	PRESSURE (T+dt)/dt PSI	PRESSURE SQUARED PSI ² /10 ⁶
A	INITIAL HYDROSTATIC	0.0		3205.0	
B	START OF 1st FLOW	0.0		319.0	
C	END OF 1st FLOW	30.0		511.0	
	1st SHUTIN PERIOD	0.0	0.0	511.0	0.0000
		10.0	1350.0	1861.0	4.0000
		20.0	1501.0	2012.0	2.5000
		30.0	1547.0	2058.0	2.0000
		40.0	1565.0	2076.0	1.7500
		50.0	1577.0	2088.0	1.6000
		60.0	1587.0	2098.0	1.5000
		70.0	1594.0	2105.0	1.4286
		80.0	1600.0	2111.0	1.3750
		90.0	1605.0	2116.0	1.3333
		100.0	1609.0	2120.0	1.3000
		110.0	1612.0	2123.0	1.2727*
		120.0	1615.0	2126.0	1.2500*
		130.0	1617.0	2128.0	1.2308*
		140.0	1619.0	2130.0	1.2143*
		150.0	1622.0	2133.0	1.2000*
		160.0	1625.0	2136.0	1.1875*
		170.0	1627.0	2138.0	1.1765*
D	END OF 1st SHUTIN	178.0	1627.0	2138.0	1.1685*
E	START OF 2nd FLOW	0.0		321.0	
F	END OF 2nd FLOW	290.0		698.0	
	2nd SHUTIN PERIOD	0.0	0.0	698.0	1.1685
		20.0	992.0	1690.0	17.0000
		40.0	1073.0	1771.0	9.0000
		60.0	1132.0	1830.0	6.3333
		80.0	1174.0	1872.0	5.0000
		100.0	1208.0	1906.0	4.2000
		120.0	1235.0	1933.0	3.6667
		140.0	1256.0	1954.0	3.2857
		160.0	1275.0	1973.0	3.0000
		180.0	1290.0	1988.0	2.7778
		200.0	1303.0	2001.0	2.6000
		220.0	1314.0	2012.0	2.4545*
		240.0	1323.0	2021.0	2.3333*
		260.0	1333.0	2031.0	2.2308*

WEXPRO COMPANY
DST#: 1
PATTERSON UNIT # 3
5522-5578

Location: SW-NE-5-38S-25E
Test Type: BOTTOM HOLE CONVENTIONAL
Formation: ISMAY

Recorder Number: 1644
Recorder Depth: 5578 ft.

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P PSI	PRESSURE PSI	(T+dt)/dt ABSCISSA	PRESSURE SQUARED PSI ² /10 ⁶
		280.0	1340.0	2038.0	2.1429*	
		300.0	1347.0	2045.0	2.0667*	
		320.0	1355.0	2053.0	2.0000*	
		340.0	1361.0	2059.0	1.9412*	
G	END OF 2nd SHUTIN	360.0	1366.0	2064.0	1.8889*	
K	FINAL HYDROSTATIC	0.0		3153.0		

* VALUES USED FOR EXTRAPOLATIONS

WEXPRO COMPANY
DST#: 1
PATTERSON UNIT # 3
5522-5578

Page 3

Location: SW-NE-5-38S-25E
Test Type: BOTTOM HOLE CONVENTIONAL
Formation: ISMAY

Recorder Number: 1644
Recorder Depth: 5578 ft.

1st SHUT-IN:

HORNER EXTRAPOLATION 2168.01 PSI
HORNER SLOPE 437.16 PSI/cycle

2nd SHUT-IN

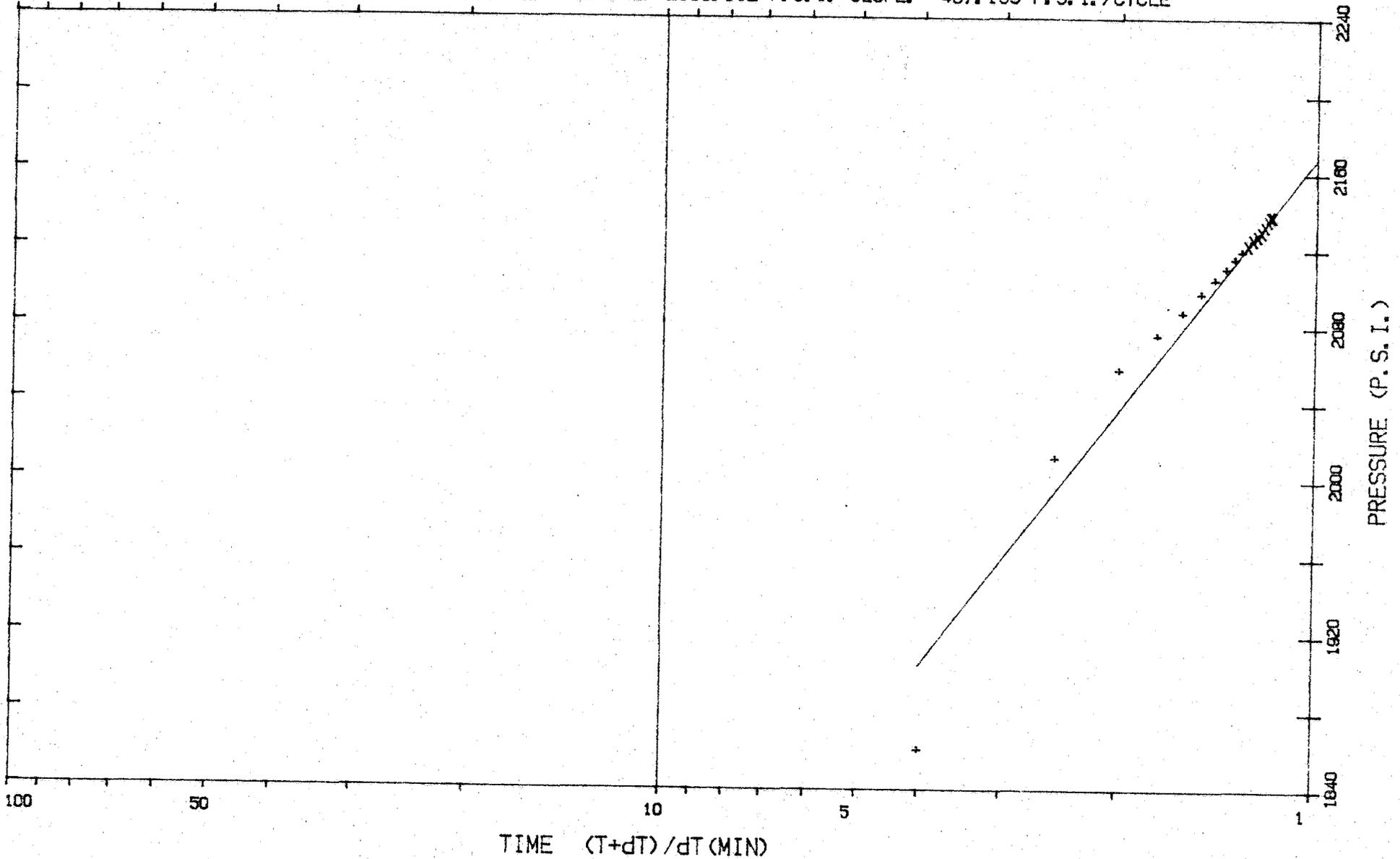
HORNER EXTRAPOLATION 2191.74 PSI
HORNER SLOPE 462.53 PSI/cycle

OPERATOR: WEXPRO COMPANY
WELL NAME: PATTERSON UNIT # 3
LOCATION: SW-NE-5-38S-25E
FIRST SHUT-IN
RECORDER: 1644

DST #: 1

DEPTH: 5578

EXTRAPOLATED PRESSURE: 2168.012 P. S. I. SLOPE: 437.159 P. S. I. /CYCLE

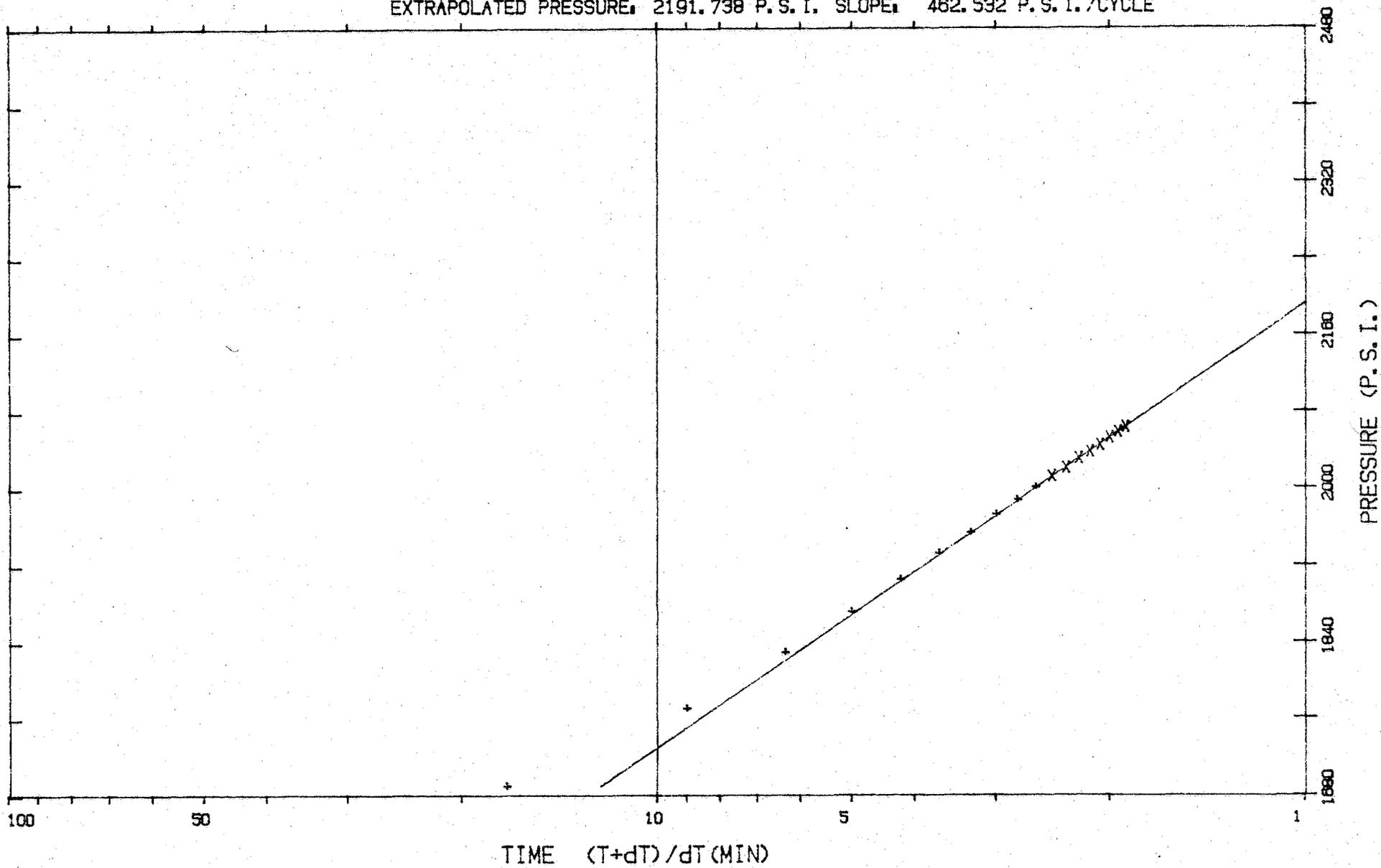


OPERATOR: WEXPRO COMPANY
WELL NAME: PATTERSON UNIT # 3
LOCATION: SW-NE-5-38S-25E
SECOND SHUT-IN
RECORDER: 1644

DST #: 1

DEPTH: 5578

EXTRAPOLATED PRESSURE: 2191.738 P. S. I. SLOPE: 462.532 P. S. I. /CYCLE



LYNES INC.

DMR-312 DIGITAL MEMORY RECORDER NO. 1644 CAP 5000 AT 5542 Ft.

OPERATOR Wexpro Co.

WELL NAME Patterson Unit # 3

TICKET NO. 04156 DST. NO. 1

04:20:00 T 115.375	06:44:00 T 121.250	09:03:00 T 120.187	11:32:00 T 121.187
3156.25	2115.00	673.750	926.250
3155.00	2115.00	680.000	927.500
3155.00	2116.25	683.750	925.000
3153.75	2116.25	686.250	928.750
3153.75	2117.50	688.750	936.250
3152.50	2118.75	691.250	942.500
3152.50	2118.75	693.750	943.750
04:36:00 T 116.625	07:00:00 T 121.437	09:24:00 T 119.937	11:48:00 T 121.437
3151.25	2121.25	701.250	952.500
3151.25	2121.25	705.000	955.000
3151.25	2121.25	711.250	931.250
3217.50	2123.75	716.250	906.250
Initial Hydrostatic 3205.00	2123.75	722.500	885.000
Start 1st Flow 318.750	2123.75	726.250	865.000
04:52:00 T 117.312	07:04:00 T 121.562	09:40:00 T 119.812	12:04:00 T 121.625
231.250	2126.25	738.750	805.000
268.750	2126.25	738.750	788.750
285.000	2126.25	743.750	777.500
303.750	2127.50	745.000	768.750
325.000	2127.50	751.250	753.750
345.000	2127.50	756.250	741.250
360.000	2128.75	761.250	730.000
05:08:00 T 120.250	07:32:00 T 121.812	09:56:00 T 119.937	12:20:00 T 121.562
391.250	2128.75	773.750	708.750
403.750	2130.00	776.250	698.750
416.250	2130.00	780.000	687.500
428.750	2130.00	785.000	678.750
440.000	2131.25	785.000	681.250
End 1st Flow 511.250	2131.25	788.750	678.750
1246.25	2131.25	790.000	676.250
05:24:00 T 120.062	07:48:00 T 121.937	10:00:00 T 120.062	12:36:00 T 121.125
1683.75	2133.75	797.500	666.250
1787.50	2133.75	802.500	660.000
1861.25	2133.75	806.250	662.500
1913.75	2133.75	807.500	667.500
1951.25	2135.00	811.250	671.250
1978.75	2136.25	811.250	686.250
1998.75	2136.25	815.000	696.250
05:40:00 T 120.375	08:04:00 T 122.062	10:28:00 T 120.187	12:52:00 T 120.750
2026.25	2136.25	823.750	696.250
2036.25	2137.50	828.750	691.250
2045.00	2136.25	833.750	687.500
2052.50	2137.50	833.750	681.250
2058.75	2137.50	836.250	685.000
2063.75	2137.50	837.500	692.500
2067.50	2137.50	842.500	696.250
05:56:00 T 120.562	1st Shut-In 2137.50	10:44:00 T 120.437	3:03:00 T 120.562
2073.75	08:20:00 T 122.187	847.500	688.750
2076.25	Start 2nd Flow 321.250	850.000	697.500
2078.75	338.750	851.250	1111.25
2082.50	371.250	852.500	1397.50
2083.75	402.500	856.250	1497.50
2086.25	423.750	857.500	1551.25
2088.75	446.250	858.750	1587.50
06:12:00 T 120.812	08:36:00 T 121.500	11:00:00 T 120.687	3:24:00 T 121.000
2093.75	506.250	866.250	1640.00
2093.75	522.500	870.000	1658.75
2096.25	538.750	883.750	1676.25
2098.75	555.000	915.000	1690.00
2100.00	570.000	945.000	1695.00
2101.25	585.000	906.250	1701.25
2103.75	597.500	893.750	1711.25
06:28:00 T 121.062	08:52:00 T 120.812	11:16:00 T 120.937	3:40:00 T 121.687
2105.00	621.250	880.000	1731.25
2106.25	630.000	873.750	1741.25
2107.50	638.750	868.750	1748.75
2108.75	642.500	878.750	1756.25
2108.75	667.500	895.000	1765.00
2111.25	661.250	910.000	1771.25
2112.50	661.250	901.250	1778.75

LYNES INC.

DMR-312 DIGITAL MEMORY RECORDER NO. 1644 CAP 6000 AT 5542 FL

OPERATOR Wexpro Co.

WELL NAME Patterson Unit # 3 TICKET NO. 04156 DST. NO. 1

13:56:00 T 122.437
 1792.50
 1798.75
 1803.75
 1808.75
 1815.00
 1818.75
 1825.00
 14:02:00 T 123.062
 1835.00
 1838.75
 1843.75
 1848.75
 1852.50
 1856.25
 1861.25
 14:08:00 T 123.437
 1868.75
 1872.50
 1876.25
 1880.00
 1883.75
 1886.25
 1890.00
 14:44:00 T 123.875
 1896.25
 1898.75
 1902.50
 1906.25
 1908.75
 1911.25
 15:00:00 T 124.187
 1918.75
 1922.50
 1925.00
 1927.50
 1930.00
 1932.50
 1933.75
 15:16:00 T 124.437
 1938.75
 1941.25
 1943.75
 1945.00
 1947.50
 1948.75
 1952.50
 15:32:00 T 124.687
 1956.25
 1957.50
 1960.00
 1961.25
 1963.75
 1965.00
 1967.50
 15:48:00 T 124.875
 1970.00
 1972.50
 1973.75
 1975.00
 1976.25
 1978.75
 1980.00
 16:04:00 T 125.062
 1982.50
 1983.75
 1986.25
 1987.50
 1988.75
 1990.00
 1991.25

16:20:00 T 125.187
 1993.75
 1996.25
 1996.25
 1998.75
 2000.00
 2001.25
 2001.25
 16:36:00 T 125.312
 2003.75
 2006.25
 2006.25
 2008.75
 2008.75
 2010.00
 2011.25
 16:52:00 T 125.437
 2013.75
 2015.00
 2016.25
 2016.25
 2017.50
 2017.50
 2018.75
 17:08:00 T 125.500
 2021.25
 2021.25
 2023.75
 2025.00
 2026.25
 2026.25
 17:24:00 T 125.625
 2028.75
 2028.75
 2030.00
 2031.25
 2031.25
 2033.75
 2033.75
 17:40:00 T 125.750
 2035.00
 2036.25
 2037.50
 2037.50
 2038.75
 2038.75
 2040.00
 17:56:00 T 125.912
 2041.25
 2042.50
 2042.50
 2043.75
 2043.75
 2045.00
 2045.00
 18:12:00 T 125.875
 2046.25
 2047.50
 2047.50
 2048.75
 2048.75
 2050.00
 2050.00
 18:28:00 T 125.937
 2052.50
 2052.50
 2052.50
 2053.75
 2053.75
 2055.00
 2056.25

8:44:00 T 126.000
 2056.25
 2057.50
 2057.50
 2058.75
 2058.75
 2058.75
 2060.00
 9:00:00 T 126.000
 2061.25
 2061.25
 2061.25
 2062.50
 2063.75
 2063.75
 Final Shut-In 3152.50
 Final Hydrostatic 126.125
 9:08:00 T 3146.25

LYNES, INC.

Gas Volume Report

Wexpro Company
Operator

Patterson Unit # 3
Well Name and No.

1
DST No.

Min.	PSIG	Orifice Size	MCF/D	Comments
15	105	1/2"	177	Initial flow
20	125	1/2"	206	
25	142	1/2"	231	
30	170	1/2"	272	
0	5	1/2"	30.2	Final flow
5	50	1/2"	95.7	
10	100	1/2"	169.4	
15	150	1/2"	243	
20	195	1/2"	309.5	
25	210	1/2"	331	
30	245	1/2"	382	
35	250	1/2"	390	
40	285	1/2"	442	
45	290	1/2"	449	
150	285	1/2"	442	
170	255	1/2"	398	Flowed well through a separator from 170 minutes to 293 minutes.

Remarks:

LYNES, INC.

Sampler Report

Company Wexpro Company Date 6/4/83
Well Name & No. Patterson Unit # 3 Ticket No. 04156
County San Juan State Utah
Test Interval 5522-5578 Ft. DST No. 1

Total Volume of Sampler: 2150 cc.
Total Volume of Sample: 1100 cc.
Pressure in Sampler: 690 psig
Oil: 400 cc.
Water: None cc.
Mud: 600 cc.
Gas: 2.17 cu. ft.
Other: 100 cc. Emulsified mud and oil

Resistivity

Make Up Water -- ● Salinity Content _____ ppm.
Mud Pit Sample 5.0 ● 75°F Salinity Content 1.050 ppm.
Gas/Oil Ratio 868/1 Gravity 41 °API @ 60 °F

Where was sample drained On location.

Remarks: Recovery:

Top Sample R.W.: Oil

Middle Sample R.W.: Oil

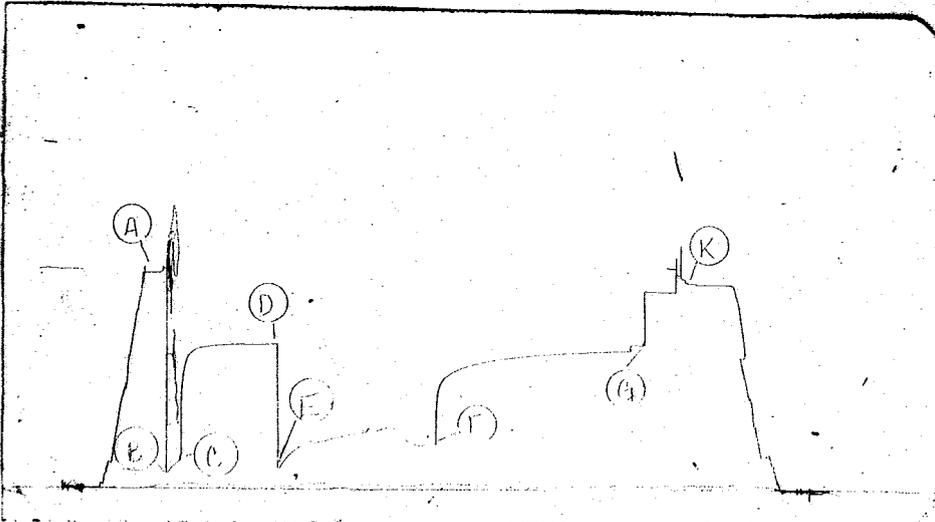
Bottom Sample R.W.: Oil

PRESSURE RECORDER NUMBER : 24521

DEPTH : 5502.00ft. LOCATION : INSIDE
TYPE : K-3 CAPACITY : 6625.00 PSI

PRESSURE
PSI

A)Initial Hydro : 3102.0
B)1st Flow Start: 223.0
C)1st Flow End : 410.0
D)END 1st Shutin: 2089.0
E)2nd Flow Start: 303.0
F)2nd Flow End : 658.0
G)END 2nd Shutin: 2006.0
K)Final Hydro. : 2978.0



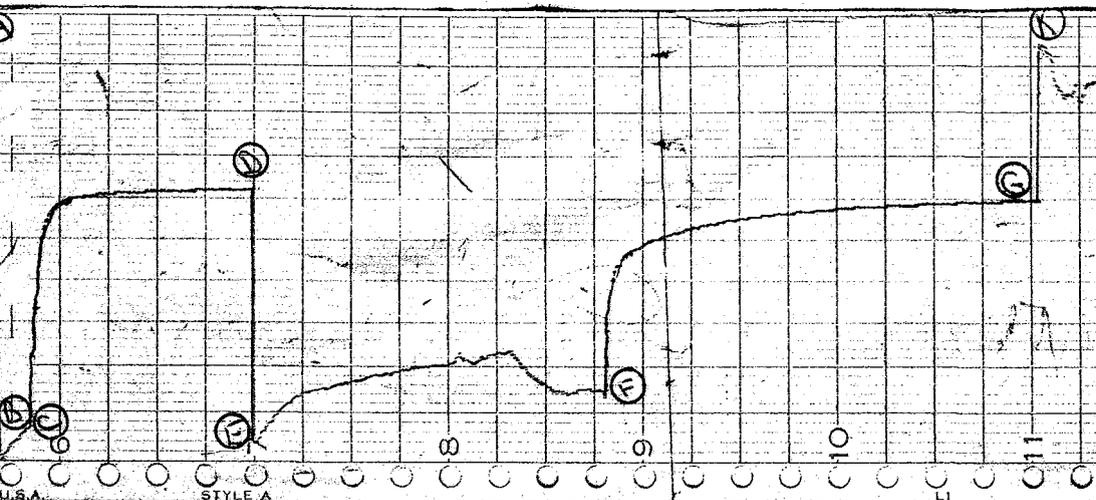
TEST TIMES(MIN)
1st FLOW : 30
SHUTIN:178
2nd FLOW : 290
SHUTIN:360

PRESSURE RECORDER NUMBER : 1644

DEPTH : 5578.00ft. LOCATION : OUTSIDE
TYPE : DMR-312 CAPACITY : 5000.00 PSI

PRESSURE
PSI

A)Initial Hydro : 3205.0
B)1st Flow Start: 319.0
C)1st Flow End : 511.0
D)END 1st Shutin: 2138.0
E)2nd Flow Start: 321.0
F)2nd Flow End : 698.0
G)END 2nd Shutin: 2064.0
K)Final Hydro. : 3153.0



LYNES, INC.

Distribution of Final Reports

Wexpro Company

Operator

Patterson Unit # 3

Well Name and No.

Original &

1 copy: Celsius Energy Company, P.O. Box 458, Rock Springs, Wyoming 82901,
Attn: Petroleum Engineer

2 copies: Minerals Management Service, 2000 Administration Building, 1745 W. 1700 S.
Salt Lake City, Utah 84104, Attn: Edgar Guynn

2 copies: Utah Oil, Gas & Mining, 1588 W. North Temple, Salt Lake City, Utah 84116

2 copies: Celsius Energy Company, P.O. Box 11070, Salt Lake City, Utah 84147, Attn:
Roger W. Fallon

2 copies: Celsius Energy Company, P.O. Box 2329, Farmington, New Mexico, 87401

2 copies: Mobil Oil Corporation, P.O. Box 5444, Denver, Co. 80217, Attn: Division
Production Geologist

1 copy: Placid Oil Company, 410 17th St., Ste. 2000, Denver, Co. 80202, Attn:
Operation Geologist

1 copy: Williams Exploration Company, 3025 Parker Rd., Ste. 601, Aurora, Colorado
80214, Attn: Jim Woods

1 copy: MCOR Oil & Gas Corporation, 10880 Wilshire Blvd., LA, California 90024,
Attn: Operations Geologist

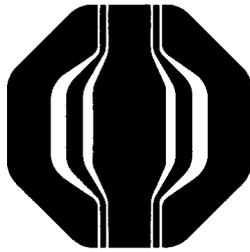
1 copy: Marvin Wolf, P.O. Box 715, Denver, Co. 80201

NOMENCLATURE (Definition of Symbols)

- Q = average production rate during test, bbls./day
 Q_g = measured gas production rate during test, MCF/day
 k = permeability, md
 h = net pay thickness, ft. (when unknown, test interval is chosen)
 μ = fluid viscosity, centipoise
 Z = compressibility factor
 T_r = reservoir temperature, ° Rankine
 m = slope of final SIP buildup plot, psig/cycle (psig²/cycle for gas)
 b = approximate radius of investigation, feet
 r_w = wellbore radius, feet
 t_o = total flowing time, minutes
 P_o = Extrapolated maximum reservoir pressure, psig
 P_r = final flowing pressure, psig
 $P.I.$ = productivity index, bbls./day/psi
 $P.I._t$ = theoretical productivity index with damage removed, bbl./day/psi
 $D.R.$ = damage ratio
 $E.D.R.$ = estimated damage ratio
 AOF = absolute open flow potential, MCF/D
 AOF_t = theoretical absolute open flow if damage were removed
 Z = subsea depth
 W = water gradient based on salinity
 H_w = potentiometric surface

INTERPRETATION CALCULATIONS (OIL/WATER)	
AVERAGE PRODUCTION RATE DURING TEST $Q = \frac{1440 \text{ (drill collar capacity} \times \text{recovery} + \text{drill pipe capac.} \times \text{recovery)}}{\text{initial flow time} + \text{final flow time}}$ $= \frac{1440 \left[\left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right) + \left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right) \right]}{\left(\frac{\quad}{\quad} \right) + \left(\frac{\quad}{\quad} \right)}$ $= \frac{1440 \text{ (.0145 or .0073)} \left(\frac{\quad}{\quad} \right)}{\left(\frac{\quad}{\quad} \right)}$ Mud Expansion = $\frac{\quad}{\quad}$ ft. (Drill Collar Conversion Is Considered)	
FLUID PROPERTIES Estimated Bottom Hole Temperature ° API Gravity @ 60° F. ° Specific Gravity @ 60° F. Est. Viscosity cp	
TRANSMISSIBILITY $\frac{kh}{\mu} = \frac{162.6Q}{m} = \frac{162.6 \left(\frac{\quad}{\quad} \right)}{\left(\frac{\quad}{\quad} \right)} = \text{md.-ft./cp}$	
IN SITU CAPACITY $kh = \left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right) = \text{md.-ft.}$	
AVERAGE EFFECTIVE PERMEABILITY Estimated Pay Thickness Ft. Actual Pay Thickness Ft. $k = \left(\frac{\quad}{\quad} \right) = \text{md.}$	
PRODUCTIVITY INDEX $P.I. = \frac{Q}{P_o - P_r} = \frac{\left(\frac{\quad}{\quad} \right)}{\left(\frac{\quad}{\quad} \right) - \left(\frac{\quad}{\quad} \right)} = \text{bbl./day-psi}$	
DAMAGE RATIO $D.R. = \frac{0.183 (P_o - P_r)}{m} = \frac{0.183 \left[\left(\frac{\quad}{\quad} \right) - \left(\frac{\quad}{\quad} \right) \right]}{\left(\frac{\quad}{\quad} \right)} = \text{md.}$	
PRODUCTIVITY INDEX WITH DAMAGE REMOVED $P.I._t = P.I. \times D.R. = \left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right) = \text{bbl./day-psi}$	
APPROXIMATE RADIUS OF INVESTIGATION $b = \sqrt{\frac{kt_o}{\phi}} = \sqrt{\left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right)} = \text{ft.}$	
Drawdown Factor = $\frac{I.S.I.P. - F.S.I.P. \times 100}{I.S.I.P.} = \left(\frac{\quad}{\quad} \right) - \left(\frac{\quad}{\quad} \right) \times 100 = \text{percent}$ (4% to 5% is considered serious or substantial)	
Potentiometric Surface = $H_w = Z + \frac{P_o}{w}$ $h_w = \text{md.} + \left(\frac{\quad}{\quad} \right) = \text{ft.}$	

INTERPRETATION CALCULATIONS (GAS)	
ESTIMATED GAS PROPERTIES Estimated Bottom Hole Temperature ° Gravity @ 60° F. Viscosity (Res.) cp. Compressibility Factor (Z)	
TRANSMISSIBILITY Measured D.S.T. Gas Rate = mcf/d. $\frac{kh}{\mu} = \frac{1637 Q_g Z T_r}{m} = \frac{1637 \left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right)}{\left(\frac{\quad}{\quad} \right)} = \text{md.-ft./cp.}$	
IN SITU CAPACITY $kh = \left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right) = \text{md.-ft.}$	
AVERAGE EFFECTIVE PERMEABILITY Estimated Pay Thickness Ft. Actual Pay Thickness Ft. $k = \left(\frac{\quad}{\quad} \right) = \text{md.}$	
APPROXIMATE RADIUS OF INVESTIGATION $b = 0.02 \sqrt{kt_o P_o} = 0.02 \sqrt{\left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right)} = \text{ft.}$	
ACTUAL CAPACITY $kh = \frac{3270 Q_g \mu Z T_r \log(0.472 r_w)}{P_o^2 - P_r^2} = \frac{3270 \left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right)}{\left(\frac{\quad}{\quad} \right) - \left(\frac{\quad}{\quad} \right)} = \text{md.-ft.}$	
ESTIMATED DAMAGE RATIO $E.D.R. = \frac{(P_o^2 - P_r^2)}{m (\log T_o + 2.65)} = \text{md.}$	
ESTIMATED RANGE OF AOF POTENTIAL Max. AOF = $\frac{Q_g P_o^2}{P_o^2 - P_r^2} = \frac{\left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right)}{\left(\frac{\quad}{\quad} \right) - \left(\frac{\quad}{\quad} \right)} = \text{MCF/D}$ Min. AOF = $\frac{Q_g P_r^2}{P_o^2 - P_r^2} = \frac{\left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right)}{\left(\frac{\quad}{\quad} \right) - \left(\frac{\quad}{\quad} \right)} = \text{MCF/D}$	
ESTIMATED RANGE OF AOF POTENTIAL, DAMAGE REMOVED Max. AOF _t = (Max. AOF) (D.R.) = $\left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right) = \text{MCF/D}$ Min. AOF _t = (Min. AOF) (D.R.) = $\left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right) = \text{MCF/D}$	
Drawdown Factor = $\frac{ISIP - FSIP \times 100}{ISIP} = \left(\frac{\quad}{\quad} \right) - \left(\frac{\quad}{\quad} \right) \times 100 = \text{percent}$ (4% to 5% is considered serious or substantial)	
Potentiometric Surface = $H_w = Z + \frac{P_o}{w}$ $H_w = \text{md.} + \left(\frac{\quad}{\quad} \right) = \text{ft.}$	

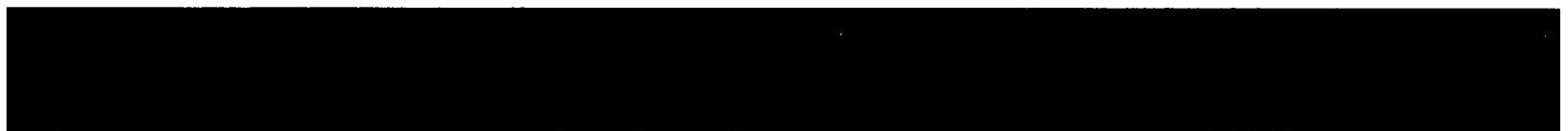


LYNES

Phone 713-790-9132

Box 12486

Houston, TX 77017



Annabelle

LYNES, INC.

*Took out name
CANYON
off of 1st Set!*

Wexpro Company

Operator

Patterson Unit #3

Well Name and No.

1 & 2

DST No.

Please find enclosed the revised DST reports for the above named well. The operator has been changed to read Wexpro Company, and the well name to Patterson Unit #3.



T.H. Adams, C.E.T.
Manager Technical Services

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Wexpro

WELL NAME: Patterson Unit #3

SECTION SWNE 5 TOWNSHIP 38S RANGE 25E COUNTY San Juan

DRILLING CONTRACTOR Arapahoe

RIG # 4

SPUDDED: DATE 5-23-83

TIME 3:45 AM

HOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY CAthy

TELEPHONE # (307) 382-9791

DATE 5-23-83 SIGNED Norm

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

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Wexpro Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, WY 82902

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: SW NE, 1650' FNL, 1650' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-11668

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Patterson

8. FARM OR LEASE NAME
Unit

9. WELL NO.
3

10. FIELD OR WILDCAT NAME
Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
5-38S-25E, SLB&M

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. API NO.
43-037-30878

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 5328' KB 5341.85'

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) <u>Supplemental History</u>			

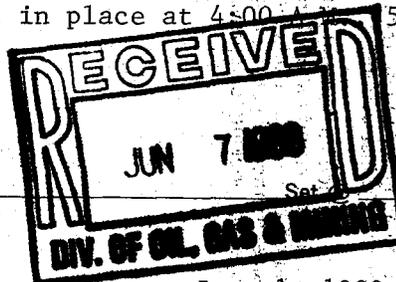
(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

Depth 5040', drilling.

Spudded May 23, 1983 at 3:45 A.M.

Landed 9-5/8" OD, 36#, K-55, 8 rd thrd, ST&C casing at 1722.20' KBM, cemented with 380 sacks Halliburton Light with additives followed with 180 sacks Regular Class B with additives, ran 1" line pipe to 50', cemented with 60 sacks Regular Class B with additives, cement in place at 4:00 PM 5/25/83.



Subsurface Safety Valve: Manu. and Type _____ Set _____ Ft.

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

SIGNED A. J. Mann TITLE Drlg. Supt. DATE June 1, 1983

(This space for Federal or State office use)

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

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

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Wexpro Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, WY 82902

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: SW NE, 1650' FNL, 1650 FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-11668

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
--

7. UNIT AGREEMENT NAME
Patterson

8. FARM OR LEASE NAME
Unit

9. WELL NO.
3

10. FIELD OR WILDCAT NAME
Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
5-38S-25E, SLB&M

12. COUNTY OR PARISH | 13. STATE
San Juan | Utah

14. API NO.
43-037-30878

15. ELEVATIONS (SHOW DF, KDB, AND WD)
KB 5341.85' GR 5328'

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON*

(other) Supplemental History

SUBSEQUENT REPORT OF:

RECEIVED
JUN 10 1983
DIVISION OF
OIL GAS & MINING

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

Depth 5893', drilling.

DST #1: Depth 5578', packers 5522' and 5513', Ismay, drilling break 140 unit increase, IO 30 mins, ISI 180 mins, FO 293 mins, FSI 360 mins, opened weak increasing to strong in 1 minute, gas to surface in 15 mins, final gauge was 30 mins 272 MCF, no oil, 2nd open strong, final gauge was 293 mins 522 MCF, reversed out 9 bbls oil, IHP 3124, IOFP's 190-383, ISIP 2067, FOFP's 251-661, ISIP 2083, FHP 3039.

DST #2: Depth 5860', packers 5807' and 5816', Desert Creek, 12 unit gas increase, IO 30 mins, ISI 120 mins, FO 240 mins, FSI 360 mins, 1st open strong, no gas to surface, 2nd open strong decreasing to medium, no gas to surface, IHP 3530, IOFP's 61-61, ISIP 107, FOFP's 61-61, FSIP 709, FHP 3503.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED C. J. Maser TITLE Drlg. Supt. DATE June 8, 1983

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Wexpro Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, WY 82902

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: SW NE, 1650' FNL, 1650' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-11668

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Patterson

8. FARM OR LEASE NAME
Unit

9. WELL NO.
3

10. FIELD OR WILDCAT NAME
Undesignated

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
5-38S-25E, SLB&M

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. API NO.
43-037-30878

15. ELEVATIONS (SHOW DF, KDB, AND WD)
KB 5341.85' GR 5328'

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON*

(other) Supplemental History

SUBSEQUENT REPORT OF:

RECEIVED
JUN 22 1983

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

DIVISION OF
OIL GAS & MINING

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.)*

Total Depth 5893', Rig Released 4:00 P.M., 6/9/83, WOCT
Landed 5-1/2" OD, 15.5#, K-55, 8 rd thrd, LT&C casing at 5887.18' KBM or 13.85' below KB, circulated casing 1/2 hour with rig pump, cemented with 805 sacks 50-50 Pozmix A with 2% gel, displaced with 139 barrels fresh water, good returns, plug down at 11:30 A.M., 6/9/83.

Subsurface Safety Valve: Manu. and Type _____ Ft.

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

SIGNED C. J. Mauer TITLE Drig. Supt. DATE June 20 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Wexpro Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, WY 82902

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: SW NE, 1650' FNL, 1650' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-11668

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
--

7. UNIT AGREEMENT NAME
Patterson

8. FARM OR LEASE NAME
Unit

9. WELL NO.
3

10. FIELD OR WILDCAT NAME
Undesignated

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
5-38S-10E, S1/4M

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. API NO.
43-037-30878

15. ELEVATIONS (SHOW DF, KDB, AND WD)
KB 5341.85' GR 5328'

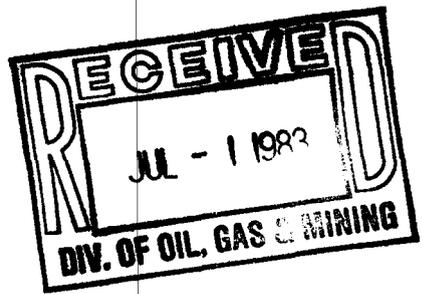
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) Supplemental History	<input type="checkbox"/>		<input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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 location and measured and true vertical depths for all markers and zones pertinent to this work.)*

Total depth of 5893' reached June 8, 1983, WOCT.



Subsurface Safety Valve: Manu. and Type _____ Ft.

18. I hereby certify that the foregoing is true and correct
SIGNED Lee Martin TITLE Ass't Drlg Supt DATE June 28, 1983

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

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

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Wexpro Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, WY 82902

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: SW NE, 1650' FNL, 1650' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE U-11668	6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---
7. UNIT AGREEMENT NAME Patterson	8. FARM OR LEASE NAME Unit
9. WELL NO. 3	10. FIELD OR WIDENING NAME Undesignated
11. SEC., T., R., & S. OF BLK. AND SECTION OR AREA 5-38S-25E-38&M	12. COUNTY OR PARISH OR STATE San Juan Utah
14. API NO. 43-037-30078	15. ELEVATIONS SHOW DF, KDB, AND WD KB 5341.85 GR 5338.00

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Supplemental History <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

(NOTE: Report results on multiple completion zones change on Form 9-330.)

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

Rigged up workover rig to begin completion operations 7/6/83.
Released rig 7/13/83. Performing production tests.

Subsurface Safety Valve: Manu. and Type _____ Ft.

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

SIGNED C. J. Mauer TITLE Drlg. Supt. DATE _____

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Wexpro Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, WY 82902

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) SW NE, 1650' FNL, 1650' FEL
AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-11668

6. IF INDIAN, ALLOTMENT OR TRIBE NAME

7. UNIT AGREEMENT NAME
Patterson

8. FARM OR LEASE NAME
Unit

9. WELL NO.
3

10. FIELD OR WIDESPREAD NAME
Undesignated

11. SEC., T., R., AND BLK. AND SURFACE AREA
5-38S-25E

12. COUNTY OR TERRITORY
San Juan

13. STATE
UTAH

14. API NO.
43-037-30

15. ELEVATIONS IN FEET OF BENCH MARK AND W.D.
GR 5328

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON*

(other) Pipeline Construction

(NOTE: Report results for multiple completions in a well zone change on Form 9-330.)

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 pertinent surface location and measured and true vertical depths for all markers and zones pertinent to this work.)*

Production lines to be installed by Wexpro Company, the operator.

Lines to be installed as follows:

One 3" flow line (oil, gas, & water) welded steel construction

One 2" fuel gas line, welded steel construction

Lines will follow surveyed route (refer to attached map) well to Patterson Unit Central Production Facility. Additional equipment at the central facility include: production pack, treater, and two 400 gpm tanks (refer to attached schematic). New facilities will be performed to BLM specifications. Estimated construction time from date of approval is four months. Estimation work along the lines will be in accordance with BLM and State regulations.

Subsurface Safety Valve: Manu. and Type _____ Ft.

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

SIGNED A.R. Hogan TITLE District Manager DATE 9/9/79

(This space for Federal or State office use)

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

DATE: 9/11/79

BY: [Signature]

FEDERAL LEASE

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Wexpro Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, WY 82902

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
SW NE, 1650' FNL, 1650' FEL
AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE
U-11668

6. IF INDIAN, ALIEN, OR TRIBAL LAND, GIVE NAME OF INDIAN, ALIEN, OR TRIBE

7. UNIT AGREEMENT NAME
Patterson

8. FARM OR LEASE NAME
Unit

9. WELL NO.
3

10. FIELD OR WIDE AREA NAME
Undesignated

11. SEC., T., R., OR BLK. AND SECTION OR AREA
5-38S-25E, SLB&M

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. API NO.
43-037-30848

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 5328

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON*

(other) Pipeline Construction

(NOTE: Report results of multiple completion change on Form 9-330.)

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.)*

Production lines to be installed by Wexpro Company, the Unit Operator.

Lines to be installed as follows:

- One 3" flow line (oil, gas, & water) welded steel construction
- One 2" fuel gas line, welded steel construction

Lines will follow surveyed route (refer to attached map) to well to Patterson Unit Central Production Facility. Additional equipment needed at the central facility include: production pack, treater, and two 400 barrel storage tanks (refer to attached schematic). New facilities will be permitted to BLM and State. Estimated construction time from date of approval is four months. All construction work along the lines will be in accordance with BLM and State regulations.

Subsurface Safety Valve: Manu. and Type _____ Ft.

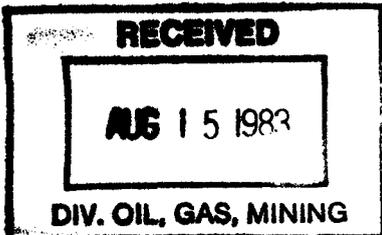
18. I hereby certify that the foregoing is true and correct

SIGNED H.K. Hogan TITLE District Manager DATE Aug 9 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



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

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

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

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
Wexpro Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, Wyoming 82902

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface SW NE, 1650' FNL, 1650' FEL

At top prod. interval reported below

At total depth

API#: 43-037-30848

14. PERMIT NO. 30848	DATE ISSUED 11-9-82
--------------------------------	-------------------------------

5. LEASE DESIGNATION AND SERIAL NO.
U-11668

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Patterson

8. FARM OR LEASE NAME
Unit

9. WELL NO.
3

10. FIELD AND POOL, OR WILDCAT
Undesignated

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
5-38S-25E, SLB&M

12. COUNTY OR PARISH San Juan	13. STATE Utah
---	--------------------------

15. DATE SPUDED 5-23-83	16. DATE T.D. REACHED 6-9-83	17. DATE COMPL. (Ready to prod.) 7-21-83	18. ELEVATIONS (DF, REB, RT, GR, ETC.)* KB 5341.85' GR 5328'	19. ELEV. CASINGHEAD ---
-----------------------------------	--	--	--	-----------------------------

20. TOTAL DEPTH, MD & TVD 5893'	21. PLUG, BACK T.D., MD & TVD 5772'	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY → 0'-5893'	ROTARY TOOLS	CABLE TOOLS
---	---	-----------------------------------	---	--------------	-------------

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
5572'-5580' Ismay

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
DIL, CNL-FDC

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
9-5/8"	36	1722.20	12-1/4"	380 sxs Halliburton Lite	0
5-1/2"	15.5	5887.18	8-3/4"	240 sxs Regular Class B	0
				805 sxs 50-50 Pozmix A	0

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET. (MD)	PACKER SET. (MD)
2-7/8"	5552.12	

31. PERFORATION RECORD (Interval, size and number)

5572'-5580' - 1 hole/ft.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5572'-5580'	600 gals 28% HCL mixed with 700 SCF nitrogen per barrel

33.* PRODUCTION

DATE FIRST PRODUCTION Shut-in	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	WELL STATUS (Producing or shut-in) Shut-in
DATE OF TEST 7/14-21/83	HOURS TESTED 168	CHOKE SIZE 28/64"
PROD'N. FOR TEST PERIOD →	OIL—BBL. 1200	GAS—MCF. 1266
FLOW. TUBING PRESS. 181	CASING PRESSURE 1082	WATER—BBL. 381
CALCULATED 24-HOUR RATE →	OIL—BBL. 177	GAS—MCF. 131
		WATER—BBL. 55
		OIL GRAVITY-API (CORR.)

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS
Logs previously submitted

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

SIGNED *Robert L. Samson* TITLE Staff Engineer DATE August 9, 1983

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 36.

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

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

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	MEAS. DEPTH
					TOP
					TRUE VERT. DEPTH
				Honaker Trail	4,478
				Paradox	4,968
				Ismay	5,350
				Lower Ismay	5,641
				Desert Creek	5,734
				Akah	5,752
					5,862

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

U-11668

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Patterson

8. FARM OR LEASE NAME

Unit

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Undesignated

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

5-38S-25E, SLB&M

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

2. NAME OF OPERATOR
Wexpro Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, Wyoming 82902

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations)
At surface SW NE, 1650' FNL, 1650' FEL

At top prod. interval reported below

At total depth

API#: 43-037-30848

14. PERMIT NO. DATE ISSUED

30848 11-9-82

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD

5-23-83 6-9-83 7-21-83 KB 5341.85' GR 5328' ---

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

5893' 5772' --- 0'-5893'

5572'-5580' Ismay

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL, CNL-FDC

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
9-5/8"	36	1722.20	12-1/4"	380 sxs Halliburton Lite	0
				240 sxs Regular Class B	0
5-1/2"	15.5	5887.18	8-3/4"	805 sxs 50-50 Pozmix A	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	5552.12	

31. PERFORATION RECORD (Interval, size and number)

5572'-5580' - 1 hole/ft.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5572'-5580'	600 gals 28% HCL mixed with 700 SCF nitrogen per barrel

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
Shut-in	Flowing	Shut-in					
DATE OF TEST	HOURS TESTED	CROCK SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
7/14-21/83	168	28/64"	→	1200	1266	381	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
181	1082	→	177	131	55		

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

Vented while testing

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Logs previously submitted

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

SIGNED *Robert L. Rasmussen*

TITLE Staff Engineer

DATE August 9, 1983

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 38, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 36.

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

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

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	MEAS. DEPTH
				Honaker Trail	4,478
				Paradox	4,968
				Ismay	5,350
				Lower Ismay	5,641
				Desert Creek	5,734
				Akah	5,752
					5,862



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

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

November 5, 1983

Wexpro Company
P.O. Box 458
Rock Springs, Wyoming 82902

RE: Well No. Paterson Unit # 3
API # 43-037-30848
Sec. 5, T. 38S, R. 25E.
San Juan County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office August 9, 1983 from the above referred to well, indicates the following electric logs were run: DIL, CNL-FDC. As of today's date, this office has not received these logs: DIL, CNL-FDC.

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

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

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

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

Claudia Jones
Well Records Specialist

CJ/cj

TRANSMITTAL

TO: Utah Oil, Gas & Mining 4241 State Office Building Salt Lake City, UT 84114	Date: January 10, 1984
--	---------------------------

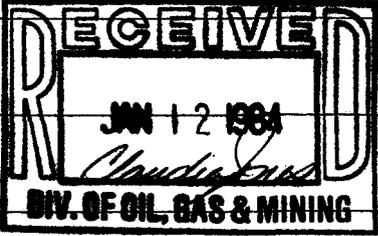
Following is Transmitted:

Patterson Unit #3
SW NE 5-38S-25E
San Juan County, Utah

DIL (2)
CDL-CN (2)

RECEIVED
JAN 11 1984

**DIVISION OF
OIL, GAS & MINING**

Please acknowledge receipt of material by signing and returning one copy of transmittal to: Wexpro Company P. O. Box 11070 Salt Lake City, UT 84147 ATTN: Roger W. Fallon	Received by:  Date:
---	--

LYNES, INC.

Wexpro Company

Operator

Patterson Unit #3

Well Name and No.

1 & 2

DST No.

Please find enclosed the revised DST reports for the above named well. The operator has been changed to read Wexpro Company, and the well name to Patterson Unit #3.



T.H. Adams, C.E.T.
Manager Technical Services

RECEIVED

JUL 26 1983

DIVISION OF
OIL, GAS & MINING

Phone
713-790-9132

LYNES, INC.

Box 12486
Houston, TX 77017

Contractor Arapahoe
 Rig No. 4
 Spot SW-NE
 Sec. 5
 Twp. 38S
 Rng. 25E
 Field Patterson Canyon
 County San Juan
 State Utah
 Elevation 5342 Ft. K.B.
 Formation Desert Creek

Top Choke 1"
 Bottom Choke 1"
 Size Hole 8 3/4"
 Size Rat Hole --
 Size & Wt. D. P. 4 1/2" XH 16.60
 Size Wt. Pipe --
 I. D. of D. C. 2 1/2"
 Length of D. C. 614 Ft.
 Total Depth 5860 Ft.
 Interval Tested 5816-5860 Ft.
 Type of Test Bottom Hole
Conventional

Flow No. 1 30 Min.
 Shut-in No. 1 120 Min.
 Flow No. 2 240 Min.
 Shut-in No. 2 356 Min.
 Flow No. 3 -- Min.
 Shut-in No. 3 -- Min.
 Bottom Hole Temp. 125.3 °F
 Mud Weight 10.5
 Gravity --
 Viscosity 41

Tool opened @ 3:42 AM

Outside Recorder

PRD Make Kuster K-3
 No. 23883 Cap. 6800 @ 5836'

	Press	Corrected
Initial Hydrostatic	A	3254
Final Hydrostatic	K	3274
Initial Flow	B	69
Final Initial Flow	C	71
Initial Shut-in	D	133
Second Initial Flow	E	82
Second Final Flow	F	80
Second Shut-in	G	819
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

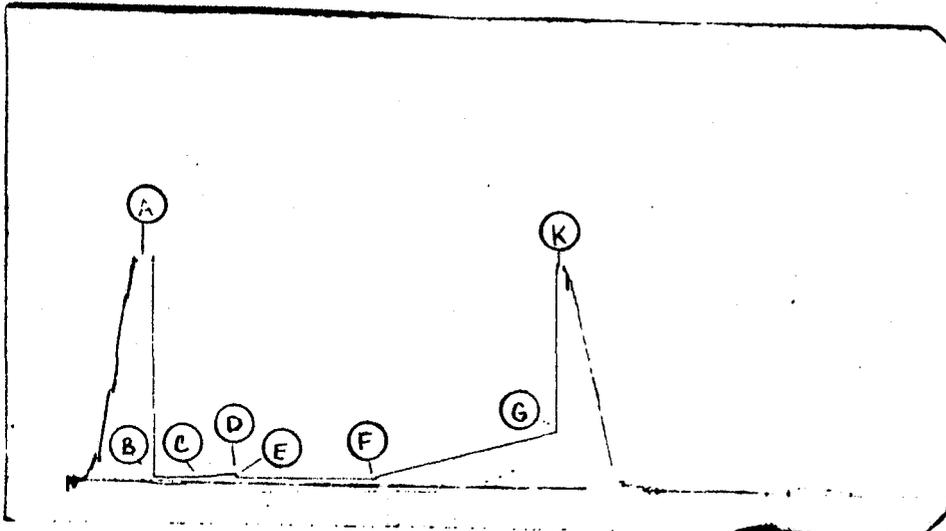
Lynes Dist. Rock Springs, WY.

Our Tester Lance Sipma

Witnessed By Mike Shiger

RECEIVED
 JUL 26 1983

DIVISION OF
 OIL, GAS & MINING



Did Well Flow - Gas No Oil No Water No

RECOVERY IN PIPE:

100 Ft. Total fluid = .49 bbl.
 5 Ft. Oil = .02 bbl.
 95 Ft. Oil & gas cut mud = .47 bbl.

Blow Description

1st Flow:

Tool opened with a 1/2" underwater blow, increased to the bottom of the bucket in 1 minute, increased to 1 psi in 5 minutes and remained thru the flow period.

2nd Flow:

Tool opened with a 1" underwater blow, increased to 1 psi in 5 minutes, decreased to 13" in 80 minutes, decreased to 8" in 210 minutes and remained thru 240 minutes.

Comments:

The test results indicate a mechanically successful test with no problems encountered. The flow and shut-in curves suggest very low permeability within the zone tested.

Operator
MEXPRO CO.

Address
See Distribution

Well Name and No.
Ticket No. 04157

Patterson Unit # 3

Date 6/7/83

No. Final Copies 16

DST No. 2

Location: SW-NE-5-38S-25E
 Test Type: BOTTOM HOLE CONVENTIONAL
 Formation: DESERT CREEK

Recorder Number: 1644
 Recorder Depth: 5860 ft.

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P PSI	PRESSURE (T+dt)/dt PSI	ABSCISSA	PRESSURE SQUARED PSI ² /10 ⁶
A	INITIAL HYDROSTATIC	0.0		3314.0		
B	START OF 1st FLOW	0.0		90.0		
C	END OF 1st FLOW	30.0		95.0		
	1st SHUTIN PERIOD	0.0	0.0	95.0	0.0000	
		6.0	1.0	96.0	6.0000	
		12.0	2.0	97.0	3.5000	
		18.0	3.0	98.0	2.6667	
		24.0	4.0	99.0	2.2500	
		30.0	6.0	101.0	2.0000	
		40.0	14.0	109.0	1.7500	
		50.0	17.0	112.0	1.6000	
		60.0	24.0	119.0	1.5000	
		70.0	36.0	131.0	1.4286	
		80.0	49.0	144.0	1.3750	
		90.0	59.0	154.0	1.3333	
		100.0	65.0	160.0	1.3000	
		110.0	71.0	166.0	1.2727	
D	END OF 1st SHUTIN	120.0	86.0	181.0	1.2500	
E	START OF 2nd FLOW	0.0		95.0		
F	END OF 2nd FLOW	240.0		118.0		
	2nd SHUTIN PERIOD	0.0	0.0	118.0	1.2500	
		10.0	25.0	143.0	28.0000	
		20.0	48.0	166.0	14.5000	
		30.0	70.0	188.0	10.0000	
		40.0	91.0	209.0	7.7500	
		50.0	113.0	231.0	6.4000	
		60.0	133.0	251.0	5.5000	
		70.0	153.0	271.0	4.8571	
		80.0	173.0	291.0	4.3750	
		90.0	195.0	313.0	4.0000	
		100.0	213.0	331.0	3.7000	
		110.0	233.0	351.0	3.4545	
		120.0	253.0	371.0	3.2500	
		130.0	273.0	391.0	3.0769	
		140.0	293.0	411.0	2.9286	
		150.0	315.0	433.0	2.8000	
		160.0	336.0	454.0	2.6875	
		170.0	357.0	475.0	2.5882	

Location: SW-NE-5-38S-25E
 Test Type: BOTTOM HOLE CONVENTIONAL
 Formation: DESERT CREEK

Recorder Number: 1644
 Recorder Depth: 5860 ft.

TIME-PRESSURE LISTING

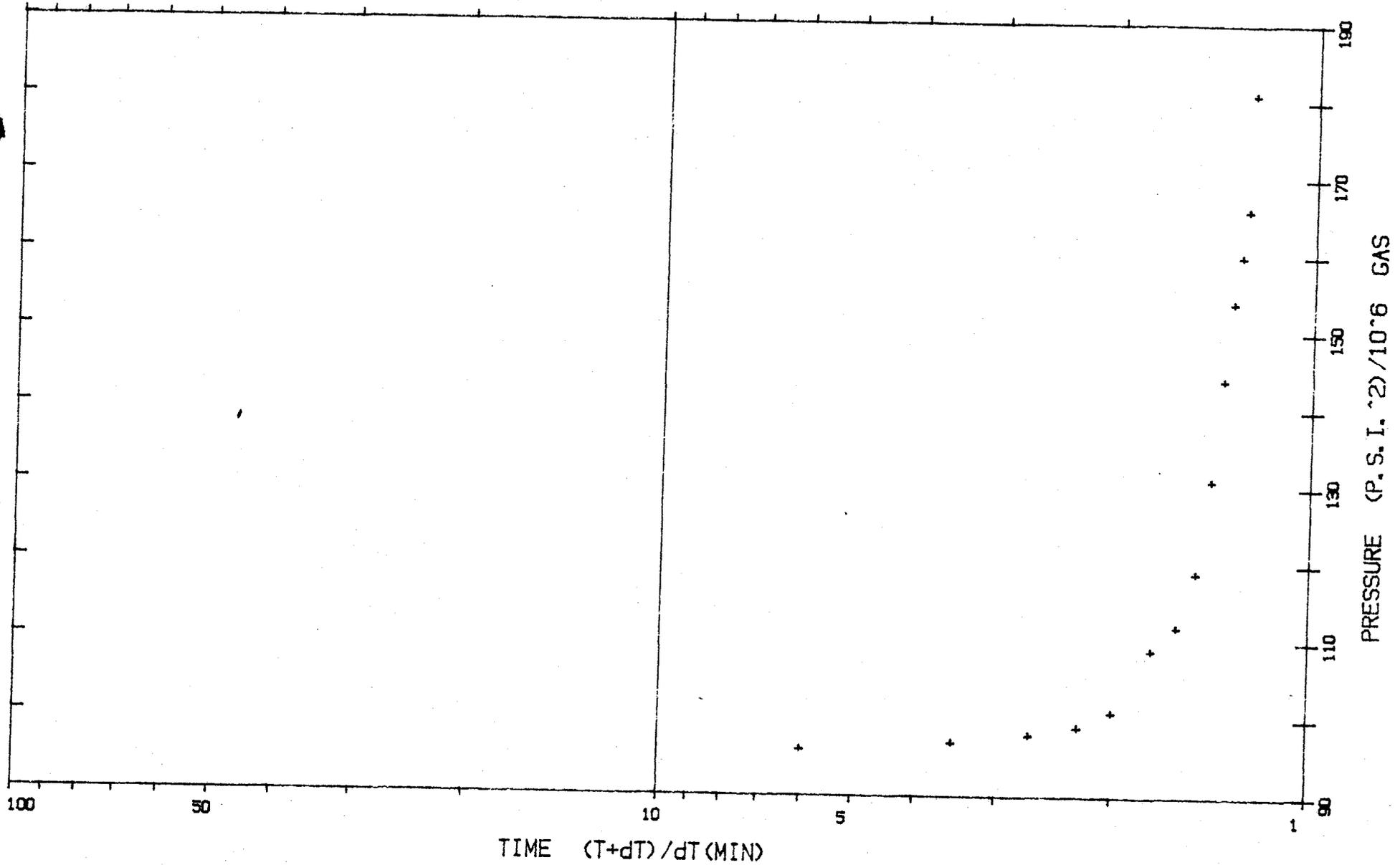
CHART LABEL	COMMENTS	TIME MIN.	DELTA P PSI	PRESSURE PSI	(T+dt)/dt ABSCISSA	PRESSURE SQUARED PSI ² /10 ⁶
		180.0	380.0	498.0	2.5000	
		190.0	401.0	519.0	2.4211	
		200.0	423.0	541.0	2.3500	
		210.0	443.0	561.0	2.2857	
		220.0	466.0	584.0	2.2273	
		230.0	488.0	606.0	2.1739	
		240.0	510.0	628.0	2.1250	
		250.0	531.0	649.0	2.0800	
		260.0	553.0	671.0	2.0385	
		270.0	576.0	694.0	2.0000	
		280.0	598.0	716.0	1.9643	
		290.0	621.0	739.0	1.9310	
		300.0	642.0	760.0	1.9000	
		310.0	665.0	783.0	1.8710	
		320.0	688.0	806.0	1.8438	
		330.0	711.0	829.0	1.8182	
		340.0	735.0	853.0	1.7941	
		350.0	758.0	876.0	1.7714	
G	END OF 2nd SHUTIN	356.0	772.0	890.0	1.7584	
K	FINAL HYDROSTATIC	0.0		3301.0		

* VALUES USED FOR EXTRAPOLATIONS

OPERATOR: WEXPRO COMPANY
WELL NAME: PATTERSON UNIT # 3
LOCATION: SW-NE-5-38S-25E
FIRST SHUT-IN
RECORDER: 1644

DST #: 2

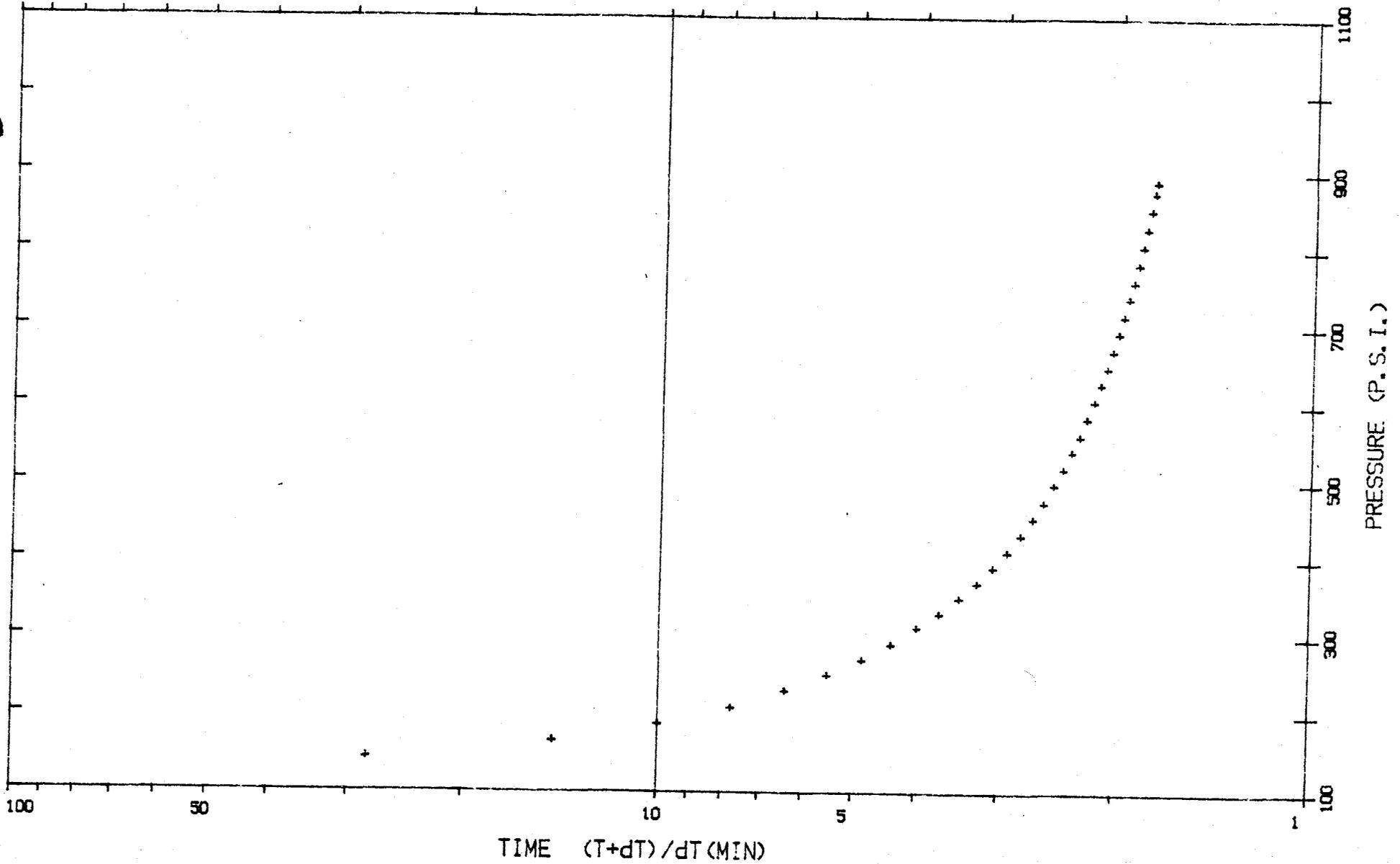
DEPTH: 5860



OPERATOR: WEXPRO COMPANY
WELL NAME: PATTERSON UNIT # 3
LOCATION: SW-NE-5-38S-25E
SECOND SHUT-IN
RECORDER: 1644

DST #: 2

DEPTH: 5860



LYNES INC.

DMR-312 DIGITAL MEMORY RECORDER NO. 1644 CAP 5000 AT 5860

OPERATOR Wexpro Company

WELL NAME Patterson Unit # 3

TICKET NO. 04157

DST. NO 2

3:18:00 T 124.000
506.250
510.000
513.750
518.750
522.500
526.250
531.250

3:34:00 T 124.125
541.250
545.000
550.000
553.750
557.500
561.250
566.250

3:50:00 T 124.250
575.000
578.750
583.750
587.500
591.250
596.250
601.250

4:06:00 T 124.375
610.000
613.750
618.750
623.750
627.500
631.250
~~636.250~~

4:22:00 T 124.500
645.000
648.750
653.750
658.750
661.250
666.250
671.250

4:38:00 T 124.625
681.250
683.750
688.750
693.750
698.750
702.500
706.250

4:54:00 T 124.750
716.250
721.250
725.000
728.750
733.750
738.750
742.500

5:10:00 T 124.812
751.250
756.250
760.000
765.000
770.000
773.750
778.750

5:26:00 T 124.937
787.500
792.500
796.250
802.500
806.250
811.250
815.000

5:42:00 T 125.062
823.750
828.750
833.750
838.750
842.500
847.500
852.500

5:58:00 T 125.187
861.250
866.250
871.250
876.250
880.000
885.000
890.000

2nd Shut-In
6:14:00 T 125.312
Final Hydrostatic 891.25
893.75

LYNES, INC.

Sampler Report

Company Wexpro Company Date 6/7/83
Well Name & No. Patterson Unit # 3 Ticket No. 04157
County San Juan State Utah
Test Interval 5816-5860 Ft. DST No. 2

Total Volume of Sampler: 2150 cc.
Total Volume of Sample: 1400 cc.
Pressure in Sampler: 20 psig
Oil: Trace cc.
Water: None cc.
Mud: 1400 cc.
Gas: .06 cu. ft.
Other: --

Sample R.W.: .02 @ 75°F = 200,000 ppm. cl.

Resistivity

Make Up Water -- ● Salinity Content _____ ppm.
Mud Pit Sample 1.5 ● 70°F Salinity Content 4,000 ppm. Na. cl. ppm.
Gas/Oil Ratio -- Gravity _____ 3,000 ppm. cl.
°API ● _____ °F

Where was sample drained On location.

Remarks: _____ Recovery: _____

Top Sample R.W.: 011

Middle Sample R.W.: .32 @ 86°F = 16,500 ppm. Na. cl.

10,200 ppm. cl.

Bottom Sample R.W.: .67 @ 85°F = 7,500 ppm. Na. cl.

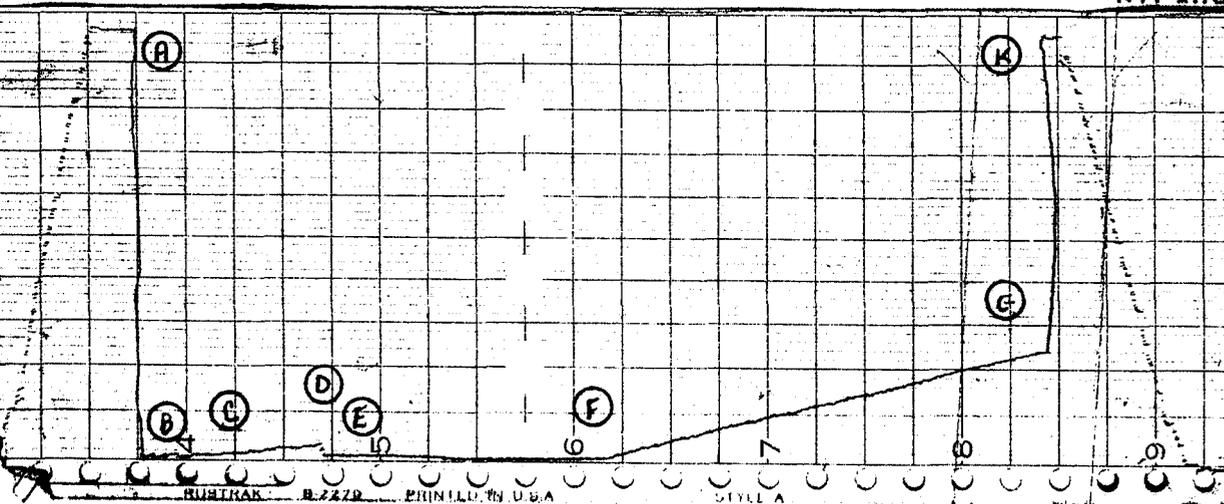
5,650 ppm. cl.

PRESSURE RECORDER NUMBER : 1644

DEPTH : 5860.00ft. LOCATION : OUTSIDE
 TYPE : DMR-312 CAPACITY : 5000.00 PSI

PRESSURE
PSI

A)Initial Hydro : 3314.0
 B)1st Flow Start: 90.0
 C)1st Flow End : 95.0
 D)END 1st Shutin: 181.0
 E)2nd Flow Start: 95.0
 F)2nd Flow End : 118.0
 G)END 2nd Shutin: 890.0
 K)Final Hydro. : 3301.0



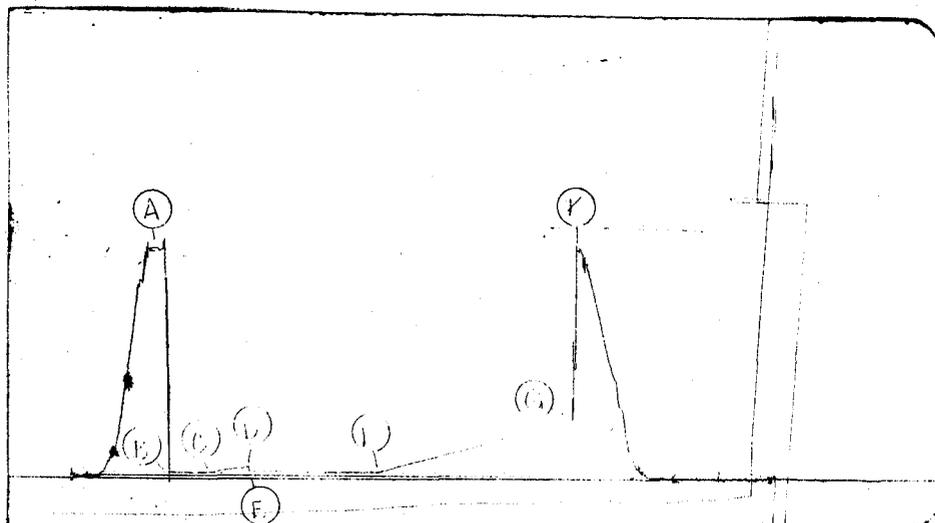
TEST TIMES(MIN)
 1st FLOW : 30
 SHUTIN:120
 2nd FLOW : 240
 SHUTIN:356

PRESSURE RECORDER NUMBER : 24521

DEPTH : 5800.00ft. LOCATION : INSIDE
 TYPE : K-3 CAPACITY : 6625.00 PSI

PRESSURE
PSI

A)Initial Hydro : 3261.0
 B)1st Flow Start: 58.0
 C)1st Flow End : 47.0
 D)END 1st Shutin: 129.0
 E)2nd Flow Start: 66.0
 F)2nd Flow End : 66.0
 G)END 2nd Shutin: 832.0
 K)Final Hydro. : 3262.0



LYNES, INC.

Distribution of Final Reports

Wexpro Company
Operator

Patterson Unit # 3
Well Name and No.

Original &

1 copy: Celsius Energy Company, P.O. Box 458, Rock Springs, Wyoming 82901,
Attn: Petroleum Engineer

2 copies: Minerals Management Service, 2000 Administration Building, 1745 W. 1700 S.
Salt Lake City, Utah 84104, Attn: Edgar Guynn

2 copies: Utah Oil, Gas & Mining, 1588 W. North Temple, Salt Lake City, Utah 84116

2 copies: Celsius Energy Company, P.O. Box 11070, Salt Lake City, Utah 84147, Attn:
Roger W. Fallon

2 copies: Celsius Energy Company, P.O. Box 2329, Farmington, New Mexico, 87401

2 copies: Mobil Oil Corporation, P.O. Box 5444, Denver, Co. 80217, Attn: Division
Production Geologist

1 copy: Placid Oil Company, 410 17th St., Ste. 2000, Denver, Co. 80202, Attn:
Operation Geologist

1 copy: Williams Exploration Company, 3025 Parker Rd., Ste. 601, Aurora, Colorado
80214, Attn: Jim Woods

1 copy: MCOR Oil & Gas Corporation, 10880 Wilshire Blvd., LA, California 90024,
Attn: Operations Geologist

1 copy: Marvin Wolf, P.O. Box 715, Denver, Co. 80201

Contractor Arapahoe
Rig No. 4
Spot SW-NE
Sec. 5
Twp. 38S
Rng. 25E
Field Patterson Canyon
County San Juan
State Utah
Elevation 5342 Ft. K.B.
Formation Ismay

Top Choke 1"
Bottom Choke 1"
Size Hole 8 3/4"
Size Rat Hole --
Size & Wt. D. P. 4 1/2" XH 16.60
Size Wt. Pipe --
I. D. of D. C. 2 1/4"
Length of D. C. 644 Ft.
Total Depth 5578 Ft.
Interval Tested 5522-5578 Ft.
Type of Test Bottom Hole
Conventional

Flow No. 1 30 Min.
Shut-in No. 1 178 Min.
Flow No. 2 290 Min.
Shut-in No. 2 360 Min.
Flow No. 3 -- Min.
Shut-in No. 3 -- Min.
Bottom Hole Temp. 122°F
Mud Weight 10.2
Gravity --
Viscosity 37

Tool opened @ 4:49 AM

Outside Recorder

PRD Make Kuster K-3
No. 23883 Cap. 6800 @ 5542'

	Press	Corrected
Initial Hydrostatic	A	3131
Final Hydrostatic	K	2920
Initial Flow	B	257
Final Initial Flow	C	381
Initial Shut-in	D	2102
Second Initial Flow	E	350
Second Final Flow	F	669
Second Shut-in	G	2011
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--
Extrapolated ISI:		2168 PSI
Extrapolated FSI:		2191.7 (PSI)

Lynes Dist. Rock Springs, WY.
Our Tester Lance Stone
Witnessed By Mike Singer

WELLS
JUL 20 1983

**DIVISION OF
OIL, GAS & MINING**

Did Well Flow -- Gas Yes Oil Yes Water No

RECOVERY IN PIPE:

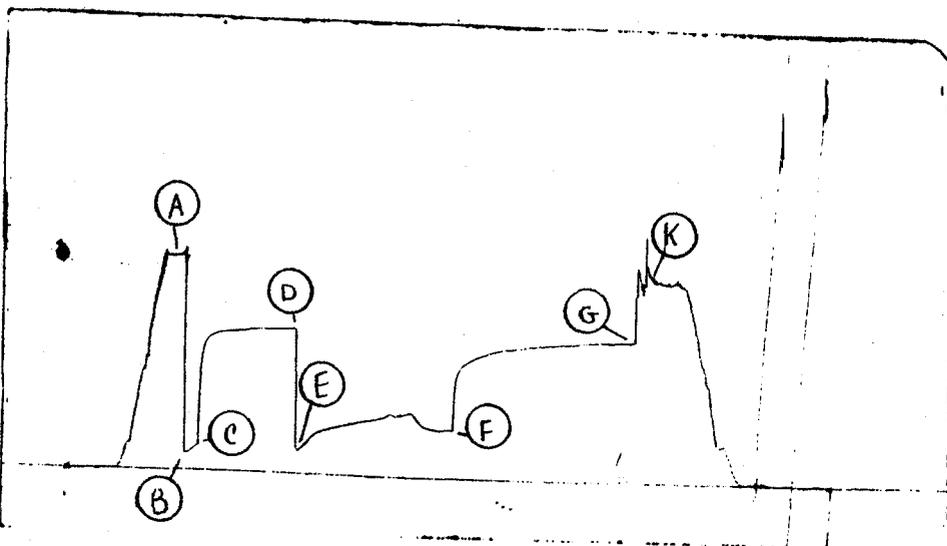
1081 Ft. Total fluid = 9.36 bbls.
1081 Ft. Oil = 9.36 bbls.
[Test Was Reverse Circulated]

Blow Description
1st Flow:

Tool opened with a 1" underwater blow, increased to the bottom of the bucket in 1 minute, increased to 23 psi in 5 minutes, with gas to surface in 15 minutes with 105 psi, increased to 170 psi in 30 minutes. See Gas Volume Report.

2nd Flow:

Tool opened with gas to surface immediately, well flowed fluid to surface 170 minutes into the flow period, measured thru a separator. See Gas Volume Report.



Operator Wexpro Co.
 Address See Distribution
 Well Name and No. Patterson Unit # 3
 Ticket No. 04156
 Date 6/4/83
 DST No. 1
 No. Final Copies 16

LYNES, INC.

Wexpro Co.

Patterson Unit # 3

Operator

Well Name and No.

1
DST No.

Comments Relative to DST # 1 run on Patterson Canyon Unit # 3 run in San Juan County, Utah, SW-NE-5-38S-25E

The following calculations were performed by plotting the time pressure data on a semi-log scale and using the resultant slope and extrapolated pressure in the appropriate fluid calculations.

The calculated flow capacity of 50.23 md/ft indicates an average effective permeability of 1.0 md over the 50 feet of estimated pay thickness.

The calculated skin factor of -1.21 on the damage ratio of 0.75 indicates that the zone was not damaged at the time of this test.

The final shut-in was extrapolated to 2191.74 psi and had a slope of 462.53 psi/cycle. This extrapolated pressure is equivalent to a subsurface pressure gradient of 0.393 psi/ft at the recorder depth of 5578 feet.

Please note that these calculations should be used as indicators only since many of the parameters used have been estimated.



T.H. Adams, C.E.T.
Technical Service Manager

*** LYNES INC. ***

Operator.....: WEXPRO COMPANY
Well ID.....: PATTERSON UNIT # 3
Location.....: SW-NE-5-38S-25E
DST Number.....: 1
Formation.....: ISMAY
Type of test....: BOTTOM HOLE CONVENTIONAL
Test interval...: 5522-5578
Recorder number : 1644
Recorder depth : 5578

RESERVOIR CALCULATIONS: Fluid calculations based on 2nd shut-in

RESERVOIR PARAMATERS USED:

Net Pay.....:	50.00	ft.
Porosity.....:	12.00	%
Compressibility.....:	.000014	/psi
Flow rate.....:	150.00	bbl/day
Extrapolation.....:	2191.74	psi
Slope.....:	462.53	psi/cycle
Wellbore radius.....:	.36	ft.
Total flowing time.....:	320.00	minutes
Final flowing pressure:	698.00	psi
Formation vol. factor :	1.27	rb/stb
Viscosity.....:	.75	cp

RESULTS:

Effective Permeability..(k)....:	1.00	md
Flow capacity.....(kh)....:	50.23	md-ft
Transmissibility.....(kh/u)....:	66.97	md-ft/cp
Skin.....(s)....:	-1.21	
Damage ratio.....:	.75	
Productivity index.....:	.10	bbl-day/psi
Radius of investigation.....:	59.80	ft.

Location: SW-NE-5-38S-25E
 Test Type: BOTTOM HOLE CONVENTIONAL
 Formation: ISMAY

Recorder Number: 1644
 Recorder Depth: 5578 ft.

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P PSI	PRESSURE (T+dt)/dt PSI	ABSCISSA	PRESSURE SQUARED PSI ² /10 ⁶
A	INITIAL HYDROSTATIC	0.0		3205.0		
B	START OF 1st FLOW	0.0		319.0		
C	END OF 1st FLOW	30.0		511.0		
	1st SHUTIN PERIOD	0.0	0.0	511.0	0.0000	
		10.0	1350.0	1861.0	4.0000	
		20.0	1501.0	2012.0	2.5000	
		30.0	1547.0	2058.0	2.0000	
		40.0	1565.0	2076.0	1.7500	
		50.0	1577.0	2088.0	1.6000	
		60.0	1587.0	2098.0	1.5000	
		70.0	1594.0	2105.0	1.4286	
		80.0	1600.0	2111.0	1.3750	
		90.0	1605.0	2116.0	1.3333	
		100.0	1609.0	2120.0	1.3000	
		110.0	1612.0	2123.0	1.2727*	
		120.0	1615.0	2126.0	1.2500*	
		130.0	1617.0	2128.0	1.2308*	
		140.0	1619.0	2130.0	1.2143*	
		150.0	1622.0	2133.0	1.2000*	
		160.0	1625.0	2136.0	1.1875*	
		170.0	1627.0	2138.0	1.1765*	
D	END OF 1st SHUTIN	178.0	1627.0	2138.0	1.1685*	
E	START OF 2nd FLOW	0.0		321.0		
F	END OF 2nd FLOW	290.0		698.0		
	2nd SHUTIN PERIOD	0.0	0.0	698.0	1.1685	
		20.0	992.0	1690.0	17.0000	
		40.0	1073.0	1771.0	9.0000	
		60.0	1132.0	1830.0	6.3333	
		80.0	1174.0	1872.0	5.0000	
		100.0	1208.0	1906.0	4.2000	
		120.0	1235.0	1933.0	3.6667	
		140.0	1256.0	1954.0	3.2857	
		160.0	1275.0	1973.0	3.0000	
		180.0	1290.0	1988.0	2.7778	
		200.0	1303.0	2001.0	2.6000	
		220.0	1314.0	2012.0	2.4545*	
		240.0	1323.0	2021.0	2.3333*	
		260.0	1333.0	2031.0	2.2308*	

WEXPRO COMPANY
DST#: 1
PATTERSON UNIT # 3
5522-5578

Location: SW-NE-5-38S-25E
Test Type: BOTTOM HOLE CONVENTIONAL
Formation: ISMAY

Recorder Number: 1644
Recorder Depth: 5578 ft.

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P PSI	PRESSURE (T+dt)/dt PSI	ABSCISSA	PRESSURE SQUARED PSI ² /10 ⁶
		280.0	1340.0	2038.0	2.1429*	
		300.0	1347.0	2045.0	2.0667*	
		320.0	1355.0	2053.0	2.0000*	
		340.0	1361.0	2059.0	1.9412*	
G	END OF 2nd SHUTIN	360.0	1366.0	2064.0	1.8889*	
K	FINAL HYDROSTATIC	0.0		3153.0		

* VALUES USED FOR EXTRAPOLATIONS

WEXPRO COMPANY
DST#: 1
PATTERSON UNIT # 3
5522-5578

Page 3

Location: SW-NE-5-38S-25E
Test Type: BOTTOM HOLE CONVENTIONAL
Formation: ISMAY

Recorder Number: 1644
Recorder Depth: 5578 ft.

1st SHUT-IN:
HORNER EXTRAPOLATION 2168.01 PSI
HORNER SLOPE 437.16 PSI/cycle

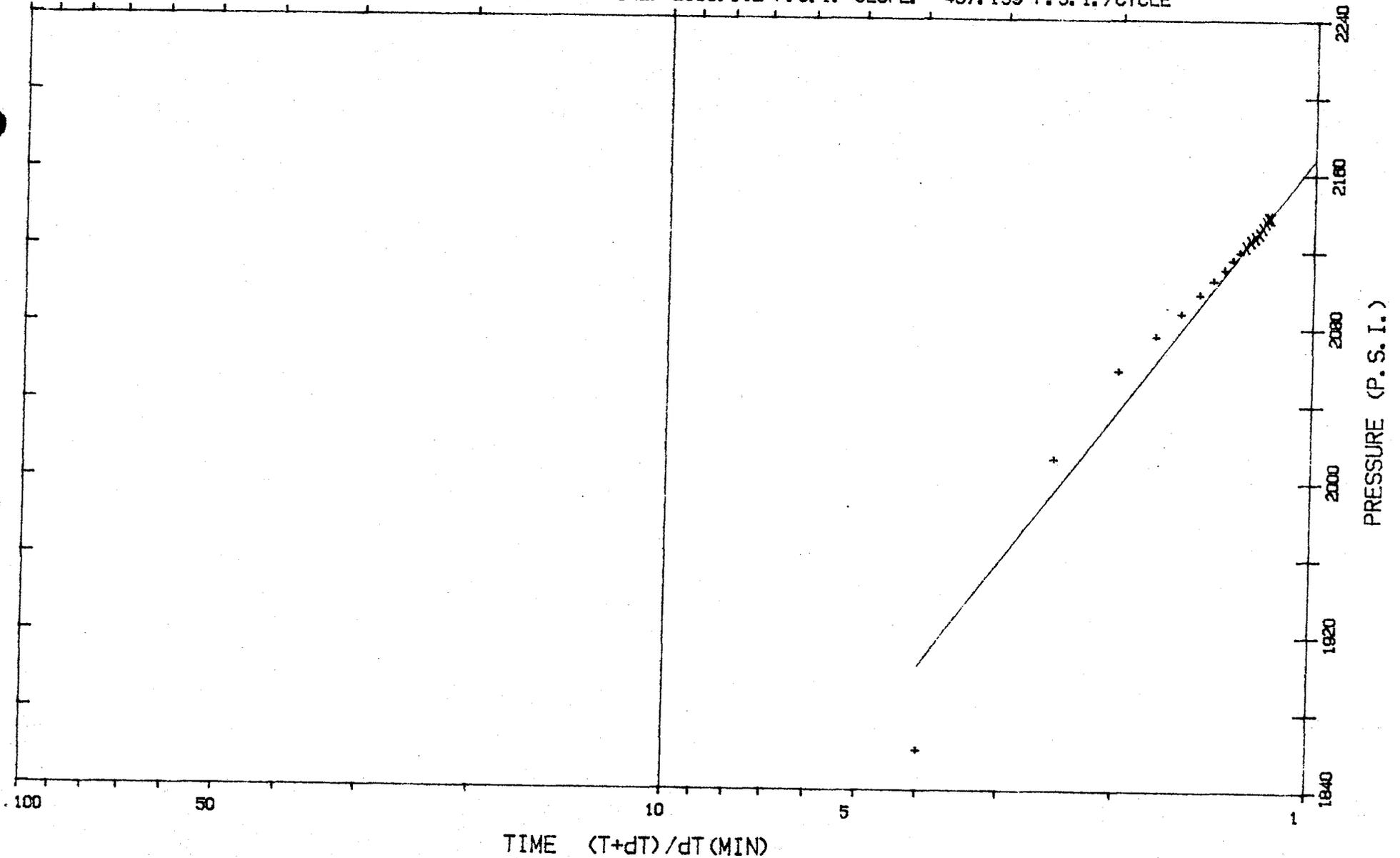
2nd SHUT-IN
HORNER EXTRAPOLATION 2191.74 PSI
HORNER SLOPE 462.53 PSI/cycle

OPERATOR: WEXPRO COMPANY
WELL NAME: PATTERSON UNIT # 3
LOCATION: SW-NE-5-38S-25E
FIRST SHUT-IN
RECORDER: 1644

DST #: 1

DEPTH: 5578

EXTRAPOLATED PRESSURE: 2168.012 P. S. I. SLOPE: 437.159 P. S. I. /CYCLE

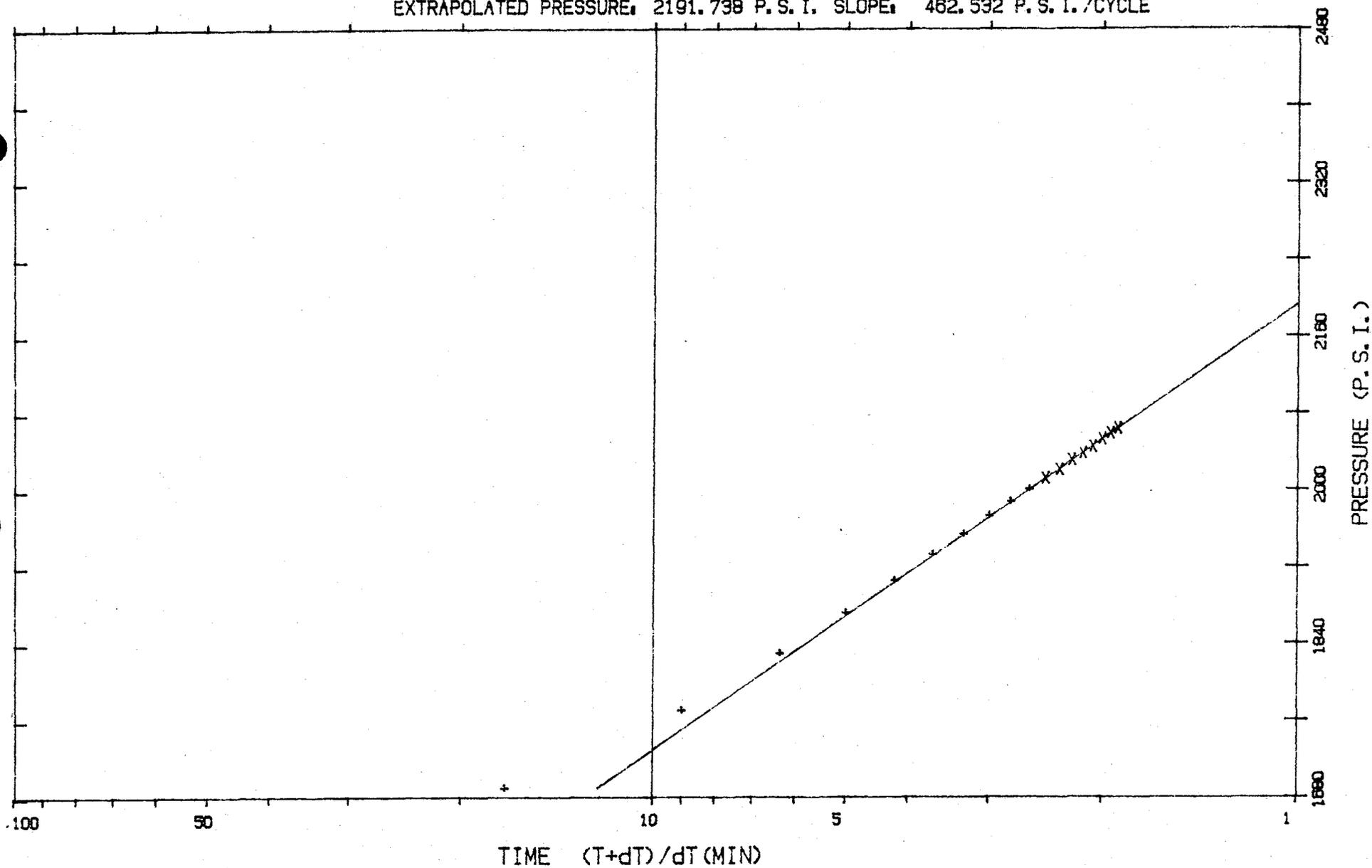


OPERATOR: WEXPRO COMPANY
WELL NAME: PATTERSON UNIT # 3
LOCATION: SW-NE-5-38S-25E
SECOND SHUT-IN
RECORDER: 1644

DST #: 1

DEPTH: 5578

EXTRAPOLATED PRESSURE: 2191.738 P. S. I. SLOPE: 462.532 P. S. I./CYCLE



LYNES INC.

DMR-312 DIGITAL MEMORY RECORDER NO. 1644 CAP 5000 AT 5542 Ft.

OPERATOR Wexpro Co.

WELL NAME Patterson Unit # 3

TICKET NO. 04156 DST. NO. 1

04:20:00 T 115.375 3156.25 3155.00 3155.00 3153.75 3153.75 3152.50 3152.50	06:44:00 T 121.250 2115.00 2115.00 2116.25 2116.25 2117.50 2118.75 2118.75	09:03:00 T 120.187 673.750 680.000 683.750 686.250 688.750 691.250 693.750	11:21:00 T 121.187 926.250 927.500 925.000 928.750 936.250 942.500 943.750
04:36:00 T 116.625 3151.25 3151.25 3151.25 3151.25 3217.50 3205.00 Start 1st Flow 04:52:00 T 117.312 231.250 268.750 285.000 303.750 325.000 345.000 360.000	07:00:00 T 121.437 2121.25 2121.25 2121.25 2123.75 2123.75 2123.75 2123.75	09:24:00 T 119.937 701.250 705.000 711.250 716.250 722.500 726.250 731.250	11:43:00 T 121.437 952.500 955.000 931.250 906.250 885.000 865.000 846.250
05:03:00 T 120.250 391.250 403.750 416.250 428.750 440.000 End 1st Flow 511.250 1246.25	07:03:00 T 121.562 2126.25 2126.25 2126.25 2127.50 2127.50 2127.50 2128.75	09:40:00 T 119.812 738.750 738.750 743.750 745.000 751.250 756.250 761.250	12:04:00 T 121.625 805.000 788.750 777.500 768.750 753.750 741.250 730.000
05:24:00 T 120.062 1683.75 1787.50 1861.25 1913.75 1951.25 1978.75 1998.75	07:32:00 T 121.812 2128.75 2130.00 2130.00 2130.00 2131.25 2131.25 2131.25	09:50:00 T 119.937 773.750 776.250 780.000 785.000 785.000 788.750 790.000	12:20:00 T 121.562 708.750 698.750 687.500 678.750 681.250 678.750 676.250
05:40:00 T 120.375 2026.25 2036.25 2045.00 2052.50 2058.75 2063.75 2067.50	07:45:00 T 121.937 2133.75 2133.75 2133.75 2133.75 2135.00 2136.25 2136.25	10:00:00 T 120.062 797.500 802.500 806.250 807.500 811.250 811.250 815.000	12:30:00 T 121.125 666.250 660.000 662.500 667.500 671.250 686.250 696.250
05:56:00 T 120.562 2073.75 2076.25 2078.75 2082.50 2083.75 2086.25 2088.75	08:04:00 T 122.062 2136.25 2137.50 2137.50 2136.25 2137.50 2137.50 2137.50	10:20:00 T 120.187 823.750 828.750 833.750 833.750 836.250 837.500 842.500	12:52:00 T 120.750 696.250 691.250 687.500 681.250 685.000 692.500 696.250
06:12:00 T 120.812 2093.75 2093.75 2096.25 2098.75 2100.00 2101.25 2103.75	1st Shut-In 08:20:00 T 122.187 Start 2nd Flow 321.250 338.750 371.250 402.500 423.750 446.250 468.750	10:44:00 T 120.437 847.500 850.000 851.250 852.500 856.250 857.500 858.750	3:03:00 T 120.562 688.750 End 2nd Flow 697.500 1111.25 1397.50 1497.50 1551.25 1587.50
06:23:00 T 121.062 2105.00 2106.25 2107.50 2108.75 2108.75 2111.25 2112.50	08:30:00 T 121.500 506.250 522.500 538.750 555.000 570.000 585.000 597.500	11:00:00 T 120.687 866.250 870.000 883.750 915.000 945.000 906.250 893.750	3:24:00 T 121.000 1640.00 1658.75 1676.25 1690.00 1695.00 1701.25 1711.25
	08:52:00 T 120.812 621.250 630.000 638.750 642.500 667.500 661.250 661.250	11:15:00 T 120.937 880.000 873.750 868.750 878.750 895.000 910.000 901.250	3:40:00 T 121.687 1731.25 1741.25 1748.75 1756.25 1765.00 1771.25 1778.75

LYNES INC.

DMR-312 DIGITAL MEMORY RECORDER NO. 1644 CAP 5000 AT 5642 Ft.

OPERATOR Wexpro Co.

WELL NAME Patterson Unit # 3 TICKET NO. 04156 DST. NO. 1

13:50:00 T 122.437	16:20:00 T 125.187	8:44:00 T 126.000
1792.50	1993.75	2056.25
1798.75	1996.25	2057.50
1803.75	1996.25	2057.50
1808.75	1998.75	2058.75
1815.00	2000.00	2058.75
1818.75	2001.25	2058.75
1825.00	2001.25	2060.00
4:00:00 T 123.062	16:00:00 T 125.312	9:00:00 T 126.000
1835.00	2003.75	2061.25
1838.75	2006.25	2061.25
1843.75	2006.25	2061.25
1848.75	2008.75	2062.50
1852.50	2008.75	2063.75
1856.25	2010.00	2063.75
1861.25	2011.25	Final Shut-In 2063.75
4:20:00 T 123.437	16:50:00 T 125.437	Final Hydrostatic 3152.50
1868.75	2013.75	9:00:00 T 126.125
1872.50	2015.00	3146.25
1876.25	2016.25	
1880.00	2016.25	
1883.75	2017.50	
1886.25	2017.50	
1890.00	2018.75	
4:44:00 T 123.875	17:00:00 T 125.500	
1896.25	2021.25	
1898.75	2021.25	
1902.50	2023.75	
1906.25	2025.00	
1908.75	2026.25	
1911.25	2026.25	
5:00:00 T 124.187	17:00:00 T 125.625	
1918.75	2028.75	
1922.50	2028.75	
1925.00	2030.00	
1927.50	2031.25	
1930.00	2031.25	
1932.50	2033.75	
1933.75	2033.75	
15:16:00 T 124.437	17:40:00 T 125.750	
1938.75	2035.00	
1941.25	2036.25	
1943.75	2037.50	
1945.00	2037.50	
1947.50	2038.75	
1948.75	2038.75	
1952.50	2040.00	
15:32:00 T 124.687	17:50:00 T 125.912	
1956.25	2041.25	
1957.50	2042.50	
1960.00	2042.50	
1961.25	2043.75	
1963.75	2043.75	
1965.00	2045.00	
1967.50	2045.00	
15:48:00 T 124.875	18:00:00 T 125.875	
1970.00	2046.25	
1972.50	2047.50	
1973.75	2047.50	
1975.00	2048.75	
1976.25	2048.75	
1978.75	2050.00	
1980.00	2050.00	
6:04:00 T 125.062	18:20:00 T 125.937	
1982.50	2052.50	
1983.75	2052.50	
1986.25	2052.50	
1987.50	2053.75	
1988.75	2053.75	
1990.00	2055.00	
1991.25	2056.25	

LYNES, INC.

Gas Volume Report

Wexpro Company
Operator

Patterson Unit # 3
Well Name and No.

1
DST No.

Min.	PSIG	Orifice Size	MCF/D	Comments	
15	105	1/2"	177	Initial flow	
20	125	1/2"	206		
25	142	1/2"	231		
30	170	1/2"	272		
0	5	1/2"	30.2	Final flow	
5	50	1/2"	95.7		
10	100	1/2"	169.4		
15	150	1/2"	243		
20	195	1/2"	309.5		
25	210	1/2"	331		
30	245	1/2"	382		
35	250	1/2"	390		
40	285	1/2"	442		
45	290	1/2"	449		
150	285	1/2"	442		
170	255	1/2"	398		Flowed well through a separator from 170 minutes to 293 minutes.

Remarks:

LYNES, INC.

Sampler Report

Company Wexpro Company Date 6/4/83
Well Name & No. Patterson Unit # 3 Ticket No. 04156
County San Juan State Utah
Test Interval 5522-5578 Ft. DST No. 1

Total Volume of Sampler: 2150 cc.
Total Volume of Sample: 1100 cc.
Pressure in Sampler: 690 psig
Oil: 400 cc.
Water: None cc.
Mud: 600 cc.
Gas: 2.17 cu. ft.
Other: 100 cc. Emulsified mud and oil

Resistivity

Make Up Water -- ● Salinity Content _____ ppm.
Mud Pit Sample 5.0 ● 75°F Salinity Content 1.050 ppm.
Gas/Oil Ratio 868/1 Gravity 41 °API @ 60 °F

Where was sample drained On location.

Remarks: Recovery:

Top Sample R.W.: Oil

Middle Sample R.W.: Oil

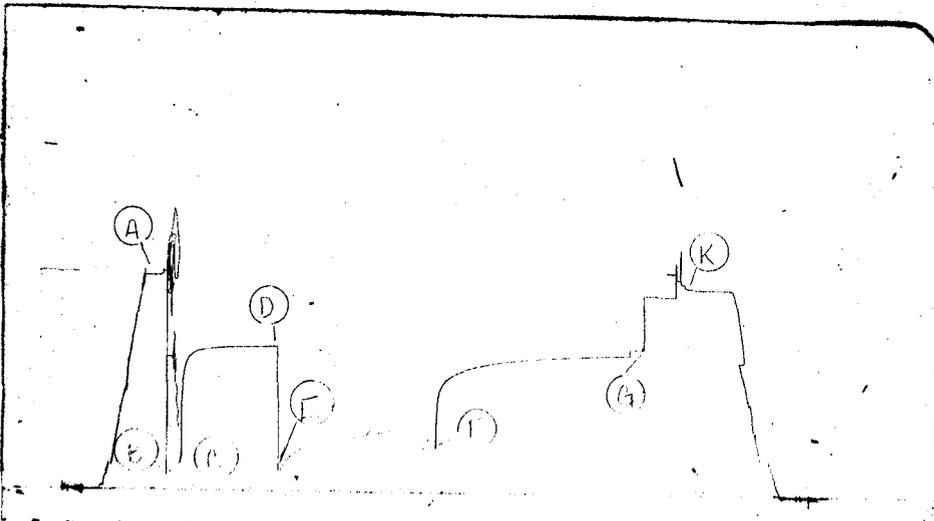
Bottom Sample R.W.: Oil

PRESSURE RECORDER NUMBER : 24521

DEPTH : 5502.00ft. LOCATION : INSIDE
TYPE : K-3 CAPACITY : 6625.00 PSI

PRESSURE
PSI

A)Initial Hydro : 3102.0
B)1st Flow Start: 223.0
C)1st Flow End : 410.0
D)END 1st Shutin: 2089.0
E)2nd Flow Start: 303.0
F)2nd Flow End : 658.0
G)END 2nd Shutin: 2006.0
K)Final Hydro. : 2978.0



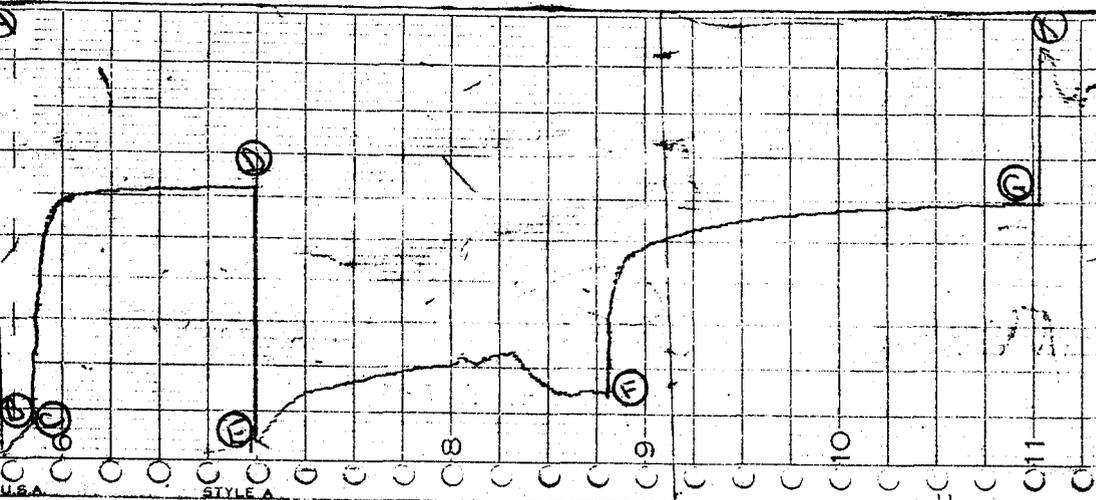
TEST TIMES(MIN)
1st FLOW : 30
SHUTIN:178
2nd FLOW : 290
SHUTIN:360

PRESSURE RECORDER NUMBER : 1644

DEPTH : 5578.00ft. LOCATION : OUTSIDE
TYPE : DMR-312 CAPACITY : 5000.00 PSI

PRESSURE
PSI

A)Initial Hydro : 3205.0
B)1st Flow Start: 319.0
C)1st Flow End : 511.0
D)END 1st Shutin: 2138.0
E)2nd Flow Start: 321.0
F)2nd Flow End : 698.0
G)END 2nd Shutin: 2064.0
K)Final Hydro. : 3153.0



LYNES, INC.

Distribution of Final Reports

Wexpro Company

Operator

Patterson Unit # 3

Well Name and No.

Original &

1 copy: Celsius Energy Company, P.O. Box 458, Rock Springs, Wyoming 82901,

Attn: Petroleum Engineer

2 copies: Minerals Management Service, 2000 Administration Building, 1745 W. 1700 S.

Salt Lake City, Utah 84104, Attn: Edgar Guynn

2 copies: Utah Oil, Gas & Mining, 1588 W. North Temple, Salt Lake City, Utah 84116

2 copies: Celsius Energy Company, P.O. Box 11070, Salt Lake City, Utah 84147, Attn:

Roger W. Fallon

2 copies: Celsius Energy Company, P.O. Box 2329, Farmington, New Mexico, 87401

2 copies: Mobil Oil Corporation, P.O. Box 5444, Denver, Co. 80217, Attn: Division

Production Geologist

1 copy: Placid Oil Company, 410 17th St., Ste. 2000, Denver, Co. 80202, Attn:

Operation Geologist

1 copy: Williams Exploration Company, 3025 Parker Rd., Ste. 601, Aurora, Colorado

80214, Attn: Jim Woods

1 copy: MCOR Oil & Gas Corporation, 10880 Wilshire Blvd., LA, California 90024,

Attn: Operations Geologist

1 copy: Marvin Wolf, P.O. Box 715, Denver, Co. 80201

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instruction re-
verse side)

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

5. LEASE DESIGNATION AND SERIAL NO.
U-11668 **012019**
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.)

RECEIVED
JAN 15 1987

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Wexpro Company

3. ADDRESS OF OPERATOR

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
P. O. Box 458, Rock Springs, Wyoming 82902
DIVISION OF OIL, GAS & MINING

7. UNIT AGREEMENT NAME

Patterson

8. FARM OR LEASE NAME

Unit

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Patterson

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

5-38S-25E SLB&M

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

14. PERMIT NO.
43-037-30848

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
KB 5341.85'

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Workover

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

The above captioned well is completed in the Ismay formation with the perforations at 5572-5580' KBM. The well currently produces 9 BOPD and 60 MCFPD. The well has two zones behind pipe that have the potential to produce significantly more oil and gas. Wexpro proposes to squeeze cement the existing perforations and perforate two intervals:

- 1. 5520-5534', 2 SPF
- 2. 5540-5562', 2 SPF

If necessary the well will be acidized with 4500 gallons of 28% HCL acid and nitrogen. The well will be put on production following the workover.

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

SIGNED Thomas M. C. [Signature]

TITLE Director Pet. Eng.

DATE 1-13-87

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

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

DATE: 1-16-87

BY: [Signature]

*See Instructions on Reverse Side

Federal approval of this action is required before commencing operations.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

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.)

<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR Wexpro Company</p> <p>3. ADDRESS OF OPERATOR P. O. Box 458, Rock Springs, Wyoming 82902</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SW NE, 1650' FNL, 1650' FEL</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. U-11668</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME 042708</p> <p>7. UNIT AGREEMENT NAME Patterson</p> <p>8. FARM OR LEASE NAME Unit</p> <p>9. WELL NO. 3</p> <p>10. FIELD AND POOL, OR WILDCAT Patterson</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 5-38S-25E SLB&M</p> <p>12. COUNTY OR PARISH San Juan</p> <p>13. STATE Utah</p>
<p>14. PERMIT NO. 43-037-30848</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 5342'</p>	

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

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

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

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

On 4-16-87 a workover was performed, which entailed squeeze cementing the existing perforations (5572' - 5580') and then perforating two intervals in the Ismay formation.

- 1) 5520' - 5534' 2 Shots/ft
- 2) 5540' - 5562' 2 Shots/ft

The intervals were acidized with 5000 gallons of 28-percent HCl and additives. The well was flowed to a tank to recover spent acid water. Tubing, rods and a pump were installed and the well put back on production.

RECEIVED
APR 24 1987

DIVISION OF
OIL, GAS & MINING

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

SIGNED *Thomas J. Galt* TITLE Director of Pet. Engineering DATE April 20, 1987

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

Form approved.
Budget Bureau No. 1004-01
Expires August 31, 1985

Pow

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 checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-11668	
2. NAME OF OPERATOR Wexpro Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME 051126	
3. ADDRESS OF OPERATOR P. O. Box 458, Rock Springs, Wyoming 82902		7. UNIT AGREEMENT NAME Patterson	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SW NE, 1650' FNL, 1650' FEL		8. FARM OR LEASE NAME Unit	
14. PERMIT NO. 43-037-30848		9. WELL NO. 3	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) GR 5328'		10. FIELD AND POOL, OR WILDCAT Patterson	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 5-38S-25E, SLB&M	
		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 <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) See Below	X		

(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.)*

Wexpro Company requests permission for off-lease measurement of the above-captioned well. Due to the contraction of the Patterson Unit, the measurement of this well at the Patterson Battery is no longer within the unit boundary, and is, therefore, without authorization. A facility diagram and unit map are attached for further reference. This well produces approximately 11 BOPD, 15 BWPD, and 55 MCFPD.

RECEIVED
MAY 07 1987

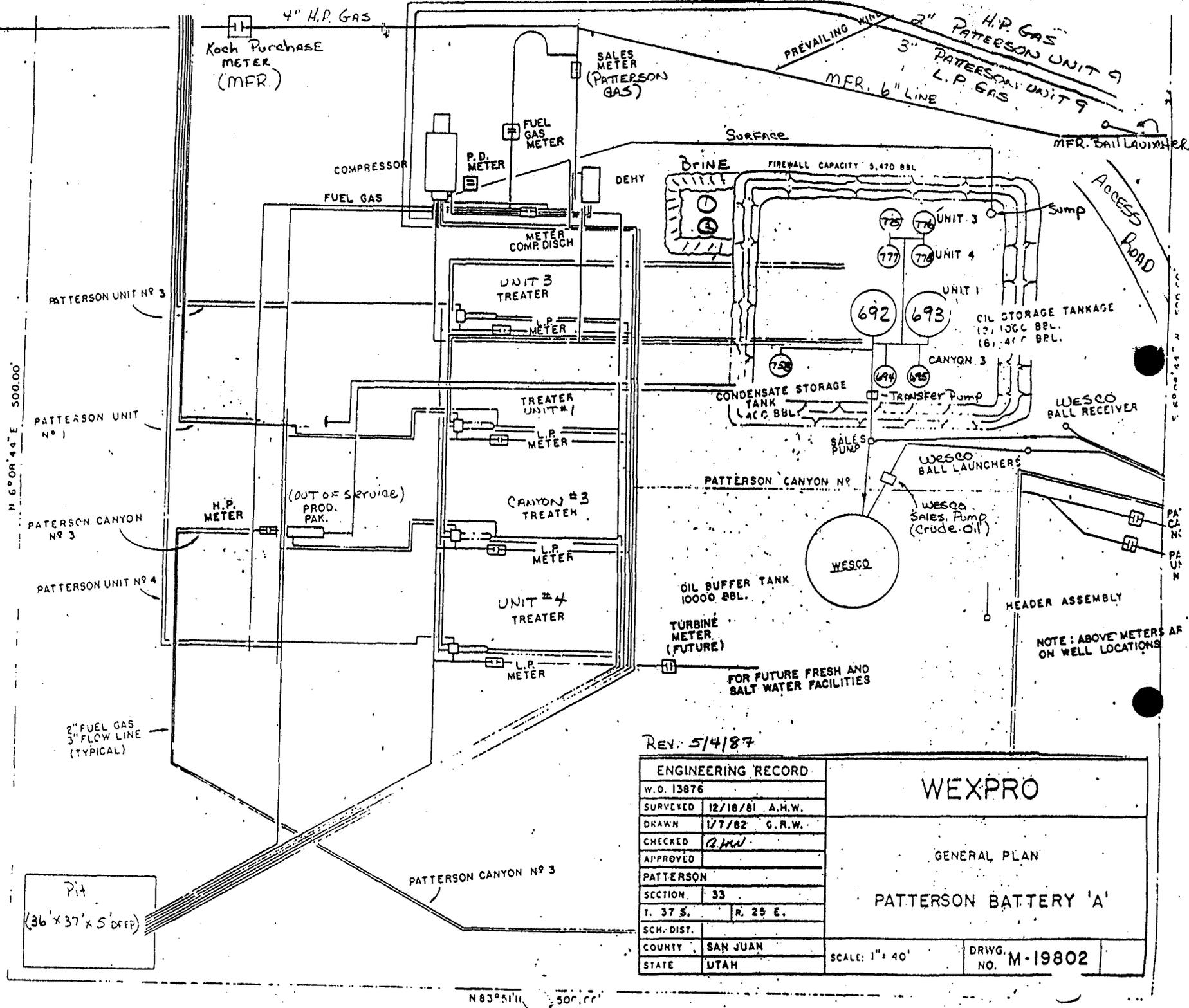
DIVISION OF
OIL, GAS & MINING

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

SIGNED H.R. Logan TITLE District Manager DATE May 4, 1987
(This space for Federal or State office use)

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

*See Instructions on Reverse Side



N 6° 08' 44" E 500.00'

PATTERSON UNIT NO 3
PATTERSON UNIT NO 1
PATTERSON CANYON NO 3
PATTERSON UNIT NO 4

2" FUEL GAS
3" FLOW LINE
(TYPICAL)

Pit
(36' x 37' x 5' deep)

PATTERSON CANYON NO 3

N 83° 51' 11" E 500.00'

REV: 5/4/87

ENGINEERING RECORD		WEXPRO
W.O. 13876		
SURVEYED	12/18/81 A.H.W.	GENERAL PLAN
DRAWN	1/7/82 G.R.W.	
CHECKED	A.H.W.	
APPROVED		
PATTERSON		
SECTION	33	PATTERSON BATTERY 'A'
T. 37 S.	R. 25 E.	
SCH. DIST.		SCALE: 1" = 40'
COUNTY	SAN JUAN	
STATE	UTAH	
		DRWG. NO. M-19802

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires September 30, 1990

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-11668

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Patterson Unit

8. Well Name and No.

Patterson Unit 3

9. API Well No.

43-037-30848 POW

10. Field and Pool, or Exploratory Area

Patterson

11. County or Parish, State

San Juan, Utah

SUBMIT IN TRIPLICATE

RECEIVED
OCT 03 1990
DIVISION OF
OIL, GAS, & MINING

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Wexpro Company

3. Address and Telephone No.

P. O. Box 458, Rock Springs, WY 82902 307-382-9791

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

1650' FNL, 1650' FEL, SW NE, 5-38S-25E

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" 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
	<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

Flare Gas

(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.)

On October 11, 1990, Patterson Battery Compressor is scheduled to be shut-in for routine maintenance. It is anticipated that the overhaul will be completed in four days. While the compressor is down, approximately 36 MCFPD will be vented to the atmosphere from the above well. Other wells which will be venting gas are Patterson Unit Wells No. 1, 3 and 9, and Patterson Canyon Wells No. 1 and 3. The volume of flared gas will be reported on the Monthly Report of Operations.

OIL AND GAS	
DFN	<input checked="" type="checkbox"/> RIF
JFB	<input type="checkbox"/> GIH
DIS	<input checked="" type="checkbox"/> SIS
2-SRH	<input checked="" type="checkbox"/>
4-DIVE	<input checked="" type="checkbox"/>
75	<input checked="" type="checkbox"/> MICROFILM

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 10/15/90
BY: [Signature]

Federal approval of this action is required before commencing operations.

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

Signed: [Signature] Title: District Manager Date: 10/02/90

(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
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

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-11668
2. Name of Operator WEXPRO COMPANY	6. If Indian, Allottee or Tribe Name ---
3. Address and Telephone No. P.O. Box 458 Rock Springs, WY 82902 (307) 382-9791	7. If Unit or CA, Agreement Designation Patterson
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1650' FNL, 1650' FEL SW NE 5-38S-25E	8. Well Name and No. Unit No. 3
	9. API Well No. 43-037-30848
	10. Field and Pool, or Exploratory Area Patterson
	11. County or Parish, State San Juan, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" 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>Flare Gas</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.)*

On September 24, 1992, Patterson Battery Compressor is scheduled to be shut-in for overhaul. It is anticipated that the overhaul will be completed in three days. While the compressor is down, approximately 171 MCFPD (combined total) will be vented to the atmosphere from Patterson Canyon No. 1, Patterson Canyon No. 3, Patterson Unit No. 1 and Patterson Unit No. 3. The volume of gas flared will be reported on the Monthly Report of Operations. Verbal approval was granted by Dale Manchester, Moab District Office.

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

DATE: 9/30/92
BY: [Signature]

RECEIVED

SEP 28 1992

DIVISION OF
OIL GAS & MINING

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

Signed [Signature] Title District Superintendent Date 9/24/92

(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.

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-11668

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. IF UNIT OR CA, AGREEMENT DESIGNATION

PATTERSON

8. WELL NAME AND NO.

UNIT NO. 3

9. API WELL NO.

43-037-30848

10. FIELD AND POOL, OR EXPLORATORY AREA

PATTERSON

11. COUNTY OR PARISH, STATE

SAN JUAN, UTAH

SUBMIT IN TRIPLICATE

1. TYPE OF WELL

OIL GAS
 WELL WELL OTHER

2. NAME OF OPERATOR

WEXPRO COMPANY

3. ADDRESS AND TELEPHONE NO.

P. O. BOX 458, ROCK SPRINGS, WY 82902 (307) 382-9791

4. LOCATION OF WELL (FOOTAGE, SEC., T., R., M., OR SURVEY DESCRIPTION)

1650' FNL, 1650' FEL
SW NE, 5-38S-25E

RECEIVED
OCT 12 1993
DIVISION OF
OIL, GAS & MINING

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 FLARE GAS
 Change in 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.)

On October 7-13, 1993, the Patterson Battery Compressor was shut-in for overhaul. While the compressor is down, approximately 38 MCFPD will be vented to the atmosphere from the above well. Other wells which will be venting gas are Patterson Unit Well Nos. 1, 3 and 9, and Patterson Canyon Well Nos. 1 and 3. The volume of flared gas will be reported on the Monthly Report of Operations. Verbal approval was granted by Eric Jones, Moab District Office.

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

Signed

Title

District Superintendent

Date

10/8/93

(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

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-11668

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. IF UNIT OR CA, AGREEMENT DESIGNATION

PATTERSON

8. WELL NAME AND NO.

UNIT NO. 3

9. API WELL NO.

43-037-30848

10. FIELD AND POOL, OR EXPLORATORY AREA

PATTERSON

11. COUNTY OR PARISH, STATE

SAN JUAN, UTAH

SUBMIT IN TRIPLICATE

1. TYPE OF WELL

OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

WEXPRO COMPANY

3. ADDRESS AND TELEPHONE NO.

P. O. BOX 458, ROCK SPRINGS, WY 82902 (307) 382-9791

4. LOCATION OF WELL (FOOTAGE, SEC., T., R., M., OR SURVEY DESCRIPTION)

1650' FNL, 1650' FEL
SW NE, 5-38S-25E

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other FLARE GAS

Change in 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.)*

On November 27, 1995, Questar Pipeline Company shut-in their pipeline. While the pipeline is down, approximately 300 MCFPD will be vented to the atmosphere from the following wells: Patterson Unit Well Nos. 1,3, and 9 and Patterson Canyon Well No. 3. The volume of flared gas will be reported on the Monthly Report of Operations. Verbal approval was granted by Eric Jones, Moab District Office. The pipeline is scheduled to be turned on December 1, 1995.

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

Signed [Signature] Title Operations Manager Date 11/27/95

(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

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-11668

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. IF UNIT OR CA, AGREEMENT DESIGNATION

PATTERSON

8. WELL NAME AND NO.

UNIT NO. 3

9. API WELL NO.

43-037-30848

10. FIELD AND POOL, OR EXPLORATORY AREA

PATTERSON

11. COUNTY OR PARISH, STATE

SAN JUAN, UTAH

SUBMIT IN TRIPLICATE

1. TYPE OF WELL

OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

WEXPRO COMPANY

3. ADDRESS AND TELEPHONE NO.

P. O. BOX 458, ROCK SPRINGS, WY 82902 (307) 382-9791

4. LOCATION OF WELL (FOOTAGE, SEC., T., R., M., OR SURVEY DESCRIPTION)

1650' FNL, 1650' FEL
SW NE, 5-38S-25E

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 Change in Plans
 Recompletion New Construction
 Plugging Back Non-Routine Fracturing
 Casing Repair Water Shut-Off
 Altering Casing Conversion to Injection
 Other FLARE GAS 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.)*

On November 27, 1995, Questar Pipeline Company shut-in their pipeline. While the pipeline is down, approximately 300 MCFPD will be vented to the atmosphere from the following wells: Patterson Unit Well Nos. 1,3, and 9 and Patterson Canyon Well No. 3. The volume of flared gas will be reported on the Monthly Report of Operations. Verbal approval was granted by Eric Jones, Moab District Office. The pipeline is scheduled to be turned on December 1, 1995.

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

Signed [Signature] Title Operations Manager Date 11/27/95

(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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires: Nov. 30, 2000

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

5. Lease Serial No.
SEE BELOW

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA/Agreement, Name and/or No.
PATTERSON UNIT

8. Well Name and No.
SEE BELOW

9. API Well No.
SEE BELOW

10. Field and Pool, or Exploratory Area
PATTERSON

11. County or Parish, State
SAN JUAN COUNTY, UTAH

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
WEXPRO COMPANY

3a. Address **P. O. BOX 458, ROCK SPRINGS, WYOMING 82902-0458**

3b. Phone No. (include area code) **307-382-9791**

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

43.037, 30848

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

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

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 is 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.)

Wexpro Company is requesting a variance from Onshore Order No. 5, III.B.17 which requires meter calibrations on a quarterly basis. Wexpro Company is requesting that meter calibrations be performed on the following wells on a semi-annual basis:

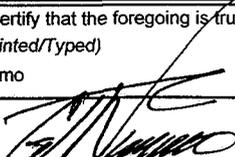
Patterson Unit Well No. 1 NE NW 5-38S-25E San Juan County, Utah Lease No. U-11668 Meter Location 1087 API No. 43-037-30510 Currently does not produce	Patterson Unit Well No. 3 SW NE 5-38S-25E San Juan County, Utah Lease No. U-11668 Meter Location 1627 API No. 43-037-30848 Produces 10 MCFPD	Patterson Unit Well No. 5 SW SW 4-38S-25E San Juan County, Utah Lease No. U-11668 Meter Location 2294 API No. 43-037-31019 Water Injection Well Fuel Gas Meter - No sales	Patterson Canyon Well No. 1 NE NW 9-38S-25E San Juan County, Utah Lease No. U-0146520-A Meter Location 1878 API No. 43-037-30170 Produces 45 MCFPD
---	--	--	--

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JUL 18 2001
DIVISION OF OIL, GAS AND MINING

CONTINUED ON PAGE TWO

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

Name (Printed/Typed) **G. T. Nimmo** Title **Operations Manager**

Signature  Date **July 12, 2001**

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.

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
 Oil Well Gas Well Other

2. Name of Operator
 WEXPRO COMPANY

3a. Address
 P. O. BOX 458, ROCK SPRINGS, WYOMING 82902-0458

3b. Phone No. (include area code)
 307-382-9791

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

5. Lease Serial No.
 SEE BELOW

6. If Indian, Allottee or Tribe Name
 NA

7. If Unit or CA/Agreement, Name and/or No.
 PATTERSON UNIT

8. Well Name and No.
 SEE BELOW

9. API Well No.
 SEE BELOW

10. Field and Pool, or Exploratory Area
 PATTERSON

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	TYPE OF ACTION
<input checked="" 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 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 type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other VARIANCE
	<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 recomplate is 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.)

The request for variance is based on the following reasons:

- (1) Questar Gas Management takes delivery of the gas produced from the Patterson A Battery located in the SW SW 33-37S-25E, through Meter Location 377 (Master Meter) which is the delivery and royalty point for the gas produced from the above wells.
- (2) The well meters listed are for allocation purposes only.
- (3) A change from quarterly to semi-annual meter calibrations would be more cost effective for Wexpro due to the low gas production.
- (4) Conducting meter calibrations on a semi-annual basis would not have a negative impact on royalties or royalty payments.

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: 7/23/01
By: [Signature]

Federal Approval Of This
Action Is Necessary

COPY SENT TO OPERATOR
Date: 7-23-01
Initials: CHD

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JUL 18 2001

DIVISION OF
OIL, GAS AND MINING

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 3/6/2006
 2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 3/15/2006

 3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/13/2006
 4. Is the new operator registered in the State of Utah: YES Business Number: 5260313-0160
 5. If **NO**, the operator was contacted on:

 - 6a. (R649-9-2) Waste Management Plan has been received on: Requested 6/13/06
 - 6b. Inspections of LA PA state/fee well sites complete on: n/a
 - 6c. Reports current for Production/Disposition & Sundries on: ok
-
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: BLM 5/5/2006 BIA n/a
-
8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 5/5/2006
-
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: 6/12/2006

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 6/13/2006
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/13/2006
3. Bond information entered in RBDMS on: n/a
4. Fee/State wells attached to bond in RBDMS on: n/a
5. Injection Projects to new operator in RBDMS on: 6/13/2006
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT0692
2. Indian well(s) covered by Bond Number: n/a
3. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
 - a. 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:

4. (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:

FORM 6

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

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 TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER:		5. Lease Designation and Serial Number: UTU-11668
2. Name of Operator: SEELEY OIL COMPANY, LLC <i>N2880</i>		6. If Indian, Altona or Tribe Name:
3. Address and Telephone Number: P.O. Box 9105, Salt Lake City, UT 84109 (801) 467-6419		7. Unit Agreement Name: Patterson Canyon
4. Location of Well Footage: OO, Sec., T, R, M.: SWNE - Sec. 5, T38S, R25E		8. Well Name and Number: Patterson Unit 3'
		9. API Well Number: 43-037-30848
		10. Field and Pool, or Wildcat: Patterson Canyon
		County: San Juan State: Utah

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

NOTICE OF INTENT
(Submit in Duplicate)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other _____
- New Construction
- Pull or Alter Casing
- Recomplete
- Reperforate
- Vent or Flare
- Water Shut-Off

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other Change of Operator
- New Construction
- Pull or Alter Casing
- Reperforate
- Vent or Flare
- Water Shut-Off

Date of work completion _____

Report results of Multiple Completions and Re-completions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. 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 sections and zones pertinent to this work)

Seeley Oil Company, LLC is considered to be the operator of the above referenced well, Lease U-11668, San Juan County, Utah, and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Utah Federal Bond UT0692.

13. Name & Signature: B. K. Seeley Title: President Date: 2/28/06

(This space for State use only)

APPROVED 6/13/06

Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(484)

(See Instructions on Reverse Side)

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DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires: January 31, 2004	
5. Lease Serial No.	U-11668
6. If Indian, Allottee, or Tribe Name	N/A
7. If Unit or CA. Agreement Designation	Patterson
8. Well Name and No.	Patterson Unit 3
9. API Well No.	43-037-30848
10. Field and Pool, or Exploratory Area	Patterson
11. County or Parish, State	San Juan, Utah

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	
2. Name of Operator WEXPRO COMPANY <i>N1070</i>	
3a. Address P. O. BOX 458, ROCK SPRINGS, WY 82902	3b. Phone No. (include area code) (307) 382-9791
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1650' FNL, 1650' FEL SWNE: 5-T38S-R25E	

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Change of Operator</u>
	<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 recompleat horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the 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 recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

Please be advised that Seeley Oil Company, LLC is considered to be the operatoar of the above referenced well pursuant to that certain Assignment and Bill of Sale dated November 18, 2005. Seeley Oil Company, LLC is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. The effective date of change is January 2, 2006.

Bond #58023144

Seeley Oil Company, LLC
P.O. Box 9015
Salt Lake City, Utah 84109-0015

B.K. Seeley Jr.
B.K. Seeley Jr. President

Date March 10, 2006

APPROVED 5/13/06
Earlene Russell

14. I hereby certify that the foregoing is true and correct.	
Name (Printed/ Typed) J.R. Livsey	Title Division of Oil, Gas and Mining Earlene Russell, Engineering Technician Vice President
Signature <i>J.R. Livsey</i>	Date March 10, 2006

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	

RECEIVED
MAR 15 2006

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 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 reverse)

DIV. OF OIL, GAS & MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155



IN REPLY REFER TO
3180
UT-922

May 5, 2006

Seeley Oil Company, LLC
P.O. Box 9015
Salt Lake City, Utah 84109

Re: Patterson Unit
San Juan County, Utah

Gentlemen:

On April 14, 2006, we received an indenture dated January 2, 2006, whereby Wexpro Company resigned as Unit Operator and Seeley Oil Company, LLC was designated as Successor Unit Operator for the Patterson Unit, San Juan County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective May 5, 2006. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Patterson Unit Agreement.

Your Utah statewide oil and gas bond No. UT0692 will be used to cover all federal operations within the Patterson Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ James Fouts

for Douglas Cook
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Moab (w/enclosure)
SITLA
Division of Oil, Gas & Mining
File - Patterson Unit (w/enclosure)
Agr. Sec. Chron
Reading File
Central Files

UT922:TAThompson:tt:5/5/06

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MAY 09 2006

DIV. OF OIL, GAS & MINING