

DAVIS OIL COMPANY

10 - 17TH STREET, SUITE 1400  
DENVER, COLORADO 80202  
TELEPHONE: 303-623-1000

NEW YORK  
NEW ORLEANS  
HOUSTON  
TULSA



May 13, 1983

RECEIVED  
MAY 19 1983

MMS  
P.O. Box 3524  
Durango, CO 81301

DIVISION OF  
OIL, GAS & MINING

LEASE EXPIRING!!

RE: #1 Lake Canyon Federal  
Township 37 South, Range 25 East, Section 1 & 12  
San Juan County, Utah

Gentlemen:

Enclosed please find for your approval, an original and three copies of the Application for Permit to Drill, together with four copies of the Staking Plat covering the drilling of the captioned proposed test. Designation of Operator from Getty Oil Company, Raymond Chorney and Donald B. Anderson are attached for your files in triplicate.

By carbon copy of this letter to the Department of Natural Resources, we are furnishing them with a copy of our application and plat.

Your early attention to the approval of said application will be appreciated.

Very truly yours,

DAVIS OIL COMPANY

Michelle Hiller  
Executive Secretary

/mh  
Enclosures

cc: Department of Natural Resources

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  
 DAVIS OIL COMPANY

3. ADDRESS OF OPERATOR  
 410 17th Street, Suite 1400, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface 555' FNL, 1232' FEL - surface Section 12, T37S, R25E  
 At proposed prod. zone 1100' FEL, 660' FSL Section 1, bottomhole  
**DIRECTIONAL DRILLING**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 21 miles northeast to Dove Creek, Colorado

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  
 surface 700' from Section line  
 (Also to nearest drig. unit line, if any) bottomhole 660'

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 100' west (Surf) 6400' *AKA*

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6327' GR Est., 6340' KB Est.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	21"	Corrugated Pipe	0-30'	3 yards Redi-mix
12 1/4"	9 5/8"	36# K-55	STC(NEW)	0-1900' 500 sxs. 50/50 POZ est.
8 3/4"	5 1/2"	15.5# K-55	LTC(NEW)	0-6400' 500 sxs. Class C est.

(SEE TEN POINT PROGRAM)

**RECEIVED**  
 MAY 10 1983  
 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 Ed Lafaye TITLE Chief Geologist DATE 5/13/83  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_  
**APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING**  
 DATE: 5-25-83  
 BY: Thomas P. Stout

5. LEASE DESIGNATION AND SERIAL NO.  
 U-23160  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 \_\_\_\_\_  
 7. UNIT AGREEMENT NAME  
 \_\_\_\_\_ *LAKE CANYON*  
 8. FARM OR LEASE NAME  
 Lake Canyon Federal  
 9. WELL NO.  
 #1  
 10. FIELD AND POOL, OR WILDCAT  
 Wildcat  
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 12 - SURFACE  
 Sec. 1, T37S, R25E *CH*  
 12. COUNTY OR PARISH, FOR STATE  
 San Juan | Utah

COMPANY DAVIS OIL COMPANY

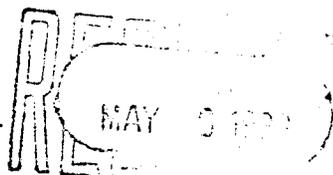
LEASE LAKE CANYON FEDERAL

WELL No. 1

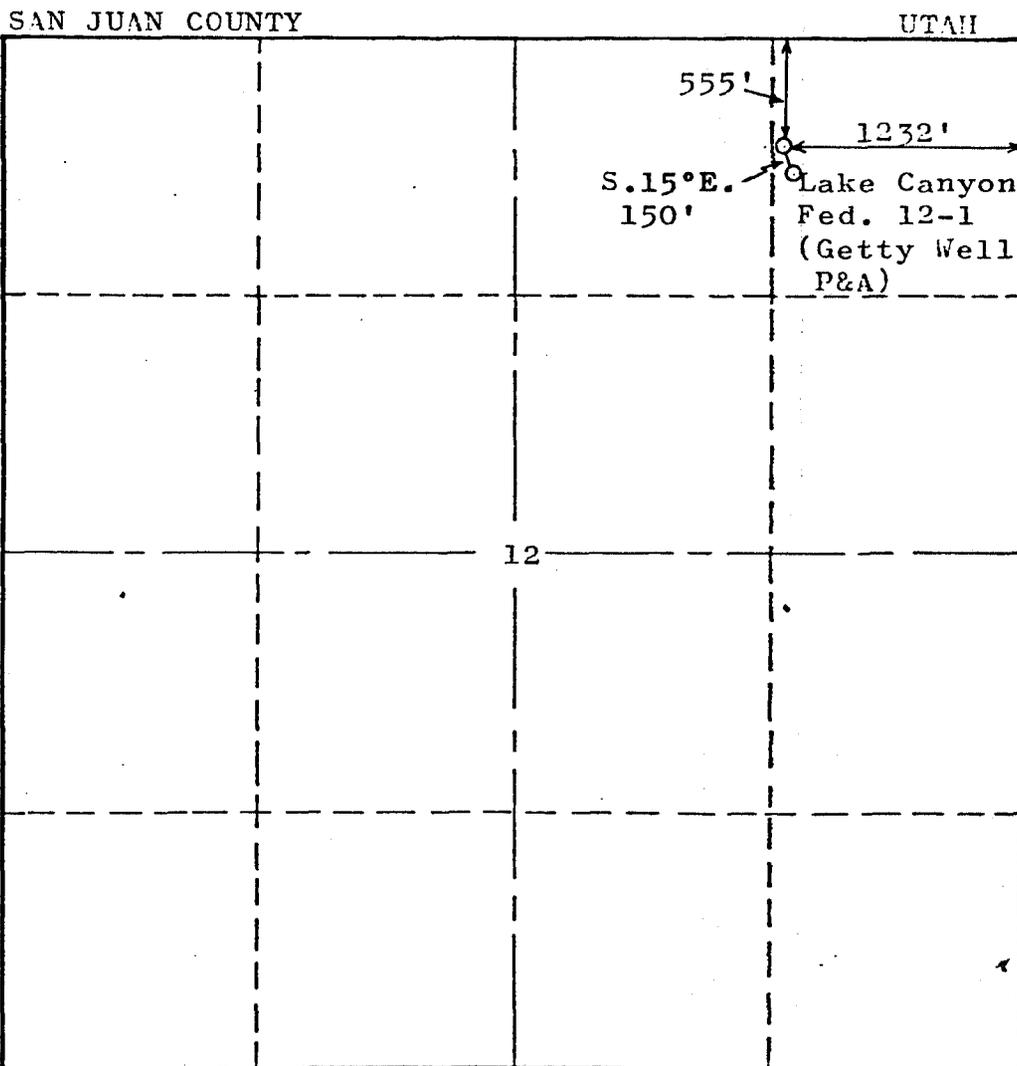
SECTION 12 T. 37S., R. 25E., S.L.B.&M.

LOCATION 555 feet from the north line  
1232 feet from the east line

ELEVATION 6327 (Graded)  
Developed from adjacent well.



DAVIS OIL COMPANY  
MILLS, WYO. 82644



Scale: 1" = 1000'

The undersigned, KROEGER ENGINEERING COMPANY, hereby certifies that the above plat was prepared from field notes of actual surveys made by them, and that the same are true and correct to the best of their knowledge and belief.

DATE: May 3, 1983

KROEGER ENGINEERING COMPANY

By: Allison L. Kroeger  
Allison L. Kroeger, RLS  
Utah Reg. No. 6159

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

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 DAVIS OIL COMPANY

3. ADDRESS OF OPERATOR  
 410 17th Street, Suite 1400, Denver, Colorado 80202

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 21 miles northeast to Dove Creek, Colorado

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5. LEASE DESIGNATION AND SERIAL NO.  
U-23160

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
-----

7. UNIT AGREEMENT NAME  
-----

8. FARM OR LEASE NAME  
Lake Canyon Federal

9. WELL NO.  
#1

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 12&  
Sec. 1, T37S, R25E

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

19. PROPOSED DEPTH

20. ROTARY OR CABLE TOOLS  
Rotary

22. APPROX. DATE WORK WILL START\*  
Upon approval

(SEE TEN POINT PROGRAM)

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 Ed Lafaye TITLE Chief Geologist DATE 5/13/83  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY W. W. Marten E. W. Guynn  
 CONDITIONS OF APPROVAL, IF ANY: District Oil & Gas Supervisor DATE MAY 24 1983

NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

STATE O & G

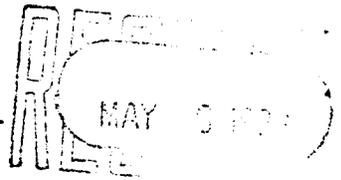
COMPANY DAVIS OIL COMPANY

LEASE LAKE CANYON FEDERAL WELL No. 1

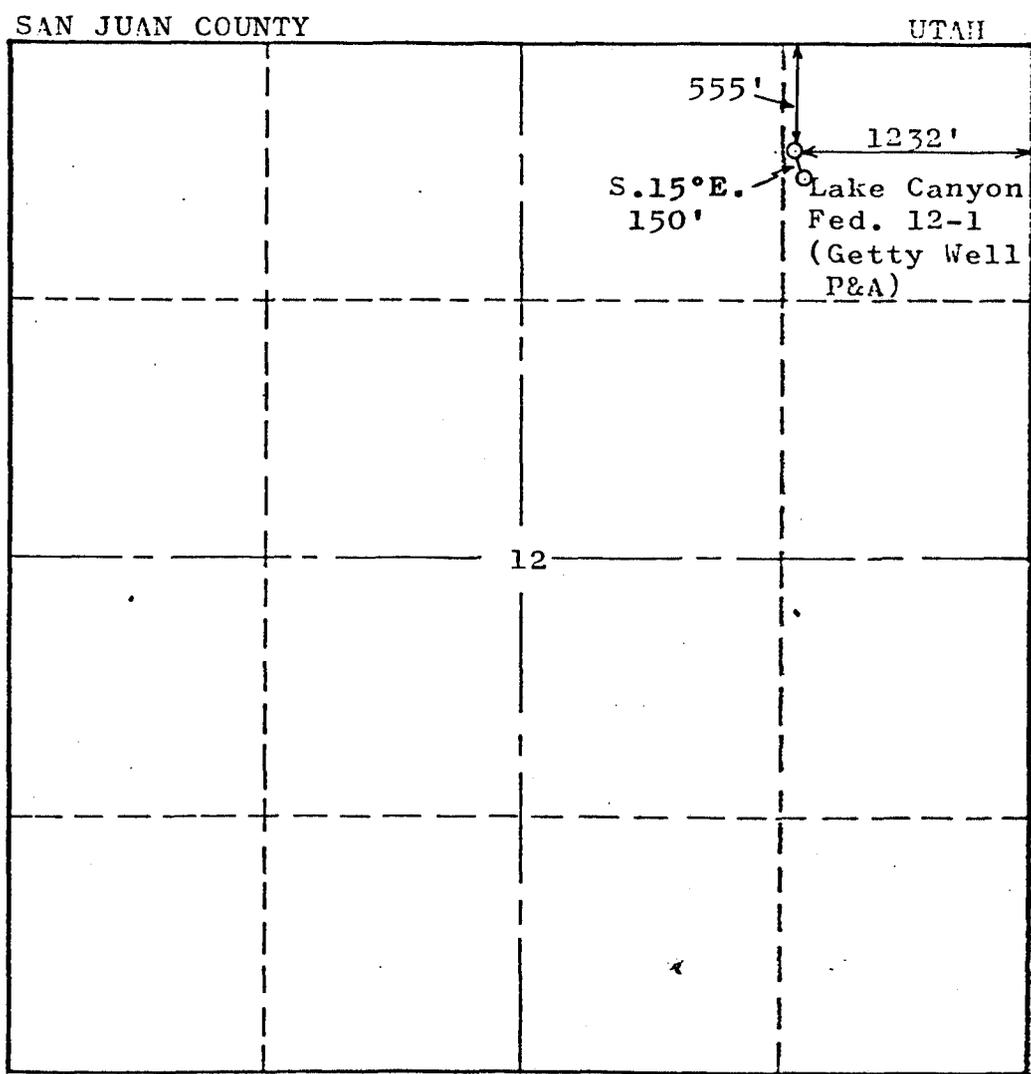
SECTION 12 T. 37S., R. 25E., S.L.B.&M.

LOCATION 555 feet from the north line  
1232 feet from the east line

ELEVATION 6327 (Graded)  
Developed from adjacent well.



DAVIS OIL COMPANY  
MILLS, WYO. 82644



Scale: 1" = 1000'

The undersigned, KROEGER ENGINEERING COMPANY, hereby certifies that the above plot was prepared from field notes of actual surveys made by them, and that the same are true and correct to the best of their knowledge and belief.

DATE: May 3, 1983

KROEGER ENGINEERING COMPANY

By: Allison L. Kroeger  
Allison L. Kroeger, RL5  
Utah Reg. No. 6159

Davis Oil Company  
Well No. 1  
Section 1, T. 37 S., R. 25 E.  
San Juan County, Utah  
Lake Canyon Unit  
Lease U-23160

Supplemental Stipulations

CONSTRUCTION:

- 1) Use of water for this operations will be approved by obtaining a temporary use permit from the Utah State Engineer (801) 637-1303 and by receiving permission from the land owner or surface managing agency to use the land containing the water source.
- 2) If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. Salvage or excavation of identified archaeological sites will only be done if damage occurs.
- 3) Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

RECLAMATION:

- 1) The operator or his contractor will contact the BLM Office in Monticello, Utah (801) 587-2201, 48 hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.
- 2) All disturbed areas will be recontoured to blend as nearly as possible with the natural topography. This includes removing all berms and refilling all cuts.
- 3) All disturbed areas will be ripped 12 inches deep with the contour.
- 4) Water bars will be built as follows to control erosion.

<u>Grade</u>	<u>Spacing</u>
2%	Every 200 feet
2-4%	Every 100 feet
4-5%	Every 75 feet
5+%	Every 50 feet

- 5) After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed areas. The access will be blocked to prevent vehicular access. Widened areas of the existing road will be reclaimed.

PRODUCTION:

- 1) The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed as described in the reclamation section. Enough topsoil will be kept to reclaim the remainder of the location at a future date. This remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.

## ADDITIONAL STIPULATIONS FOR PRODUCTION FACILITIES

Your Application for Permit to Drill also included a submittal for production facilities. These production facilities are approved for the lessee and his designated operator under Section 1 of the Oil and Gas Lease with the following conditions:

(1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Salt Lake City District Oil and Gas Supervisor. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

(2) Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs must be housed and/or fenced.

(3) All disturbed areas not required for operations will be rehabilitated.

(4) All produced liquids must be contained including the dehydrator vent/condensate line effluent. All production pits must be fenced.

(5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.

(6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.

(7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.

(8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.

(9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.

(10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.

(11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.

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

TEN POINT PROGRAM

1. SURFACE FORMATION: Chinle

2. ESTIMATED TOPS: (Water, Oil, Gas or Mineral bearing formations)

3	Chinle	1819'	sja;e
	Shinarump	2720'	sand, water, gas
	Moenkopi	2889'	shale
	Cutler	3099'	silt, shale
	Honaker Trail (Hermosa)	4748'	limestone, sands, shale, water, oil, gas
	Ismay (Upper)	5941'	limestone, dolomite, water, oil, gas
	Ismay (Lower)	6097'	limestone, dolomite, water, oil, gas
	Desert Creek	6186'	limestone, dolomite, water, oil, gas
	Akah	6295'	salt
	Base Salt	Total Depth	6400'

4. CASING PROGRAM:

Hole Size	Csg. Size	WT., lb/ft.	Grade	Thread	New/Used	Interval	Safety Factors		
							T	C	B
26"	21"	Corrugated Pipe			New	0-30'	-	-	-
12 1/4"	9 5/8"	36	K-55	STC	New	0-1900'	6.18	2.27	3.35
8 3/4"	5 1/2"	15.5	K-55	LTC	New	0-6400'	2.41	1.28	4.59

B. Conductor pipe will be cemented to surface with 3 yards Redi-Mix. Surface casing to be cemented with approximately 500 sxs. Class 50/50 POZ mix. Light cement may be used if hole conditions dictate it is required. Surface casing will be cemented with 1" pipe from surface if there are no cement returns. Production casing will be cemented with approximately 500 sxs. Class G cement. Anticipated top of cement is 4000' or 200 feet above zones proven to be commercially productive.

C. Surface casing will be pressure tested to 2000 psig. Production casing will be pressure tested to 3800 psig.

5. Pressure Control Equipment: (See attached schematic diagram)

BOP's and choke manifold will be installed and pressure tested before drilling out from under surface casing. Ram type preventers and related pressure control equipment will be pressure tested to 2000 psi. BOPE will be pressure tested every 30 days and will be checked daily as to mechanical operating condition.

6. Mud Program:

0-1900' fresh water spud mud 8.5-9 ppg  
 1900-6400' LSND Maximum mud weight 9-9.5 ppg based on offset well information 35-45 viscosity 10 cc water loss 10 PH.

Sufficient mud materials to build an active system will be available at the well site.

7. Auxilliary Equipment:

1. Kelly Cock
2. Drill pipe float
3. Monitoring of the mud system will be by a pit volume totalizer and flow sensor.
4. A sub on the floor with a full opening safety valve to be stabbed into the drill string when the Kelly is not in the string.

8. Logging:

1. DIL-SFL from base of surface casing to TD.
2. BHC Sonic-GR with caliper - from base of surface casing to TD.
3. FDC-CNL-GR with Caliper - from 4000' to TD.

Coring:  
NONE

Testing:  
DST Desert Creek.

PLANNED COMPLETION AND STIMULATING PROCEDURES: (Ex. proposed completion zone, acidizing, and fracturing programs):

Stimulation:

Desert Creek Formation - Acidize with 5000 gallons HCL Acid.

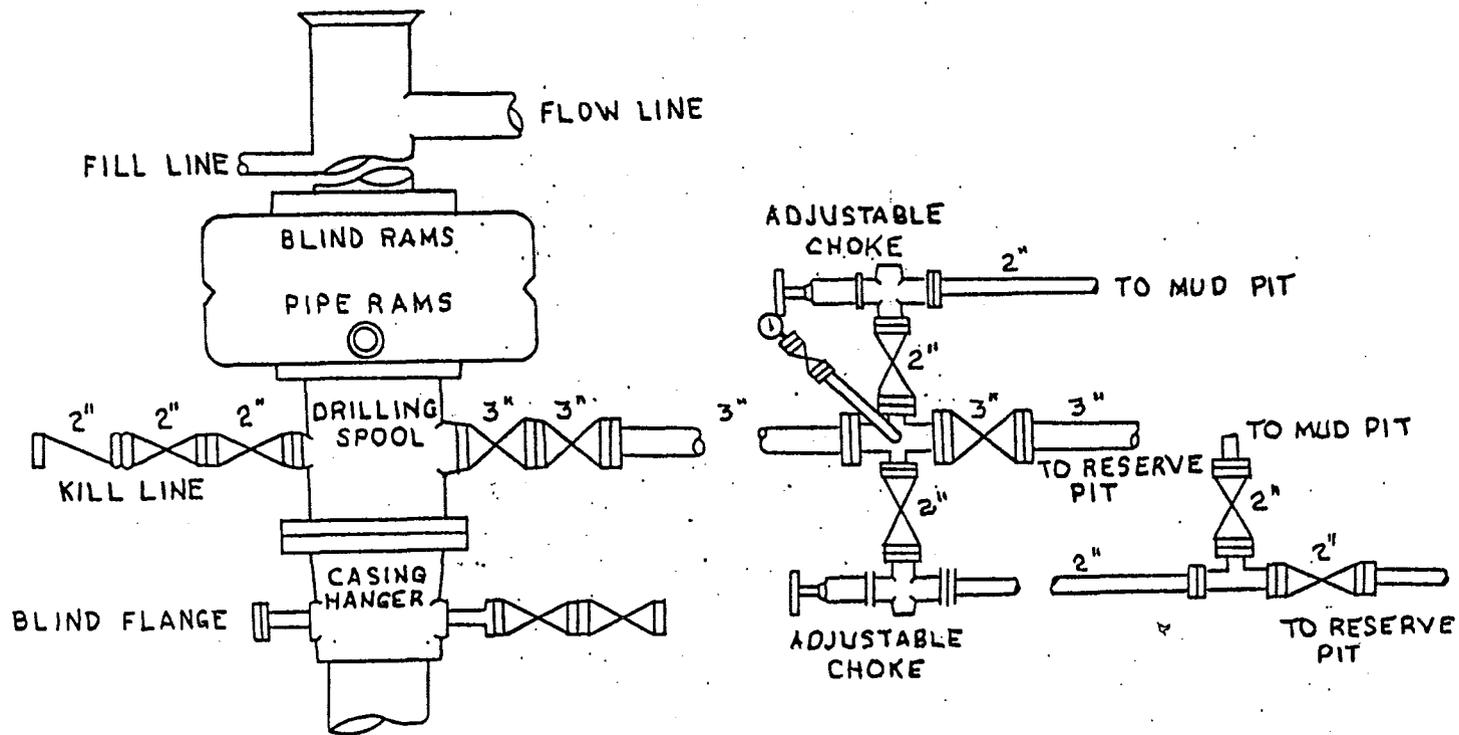
9. Abnormal Pressure: This firm does not anticipate any abnormal pressure of temperatures or any other hazards. This is based on previous geological data from nearby wells.

ESTIMATED BOTTOMHOLE PRESSURE: 3161 PSI.

ESTIMATED MAXIMUM SURFACE PRESSURE: 1050 PSI.

10. Anticipated Starting date: Within 30-45 days from Government approval.

Duration of operation: 30-60 days.



DAVIS OIL COMPANY

ARAPAHOE RIG

BLOW-OUT PREVENTION SYSTEM

12" 900 SERIES SHAFFER TYPE 48

3000 LBS. WP

OPERATOR DAVIS OIL CO DATE 5-20-83

WELL NAME LAKE CANYON FED #1

SEC SESE / NENE 12 T 37S R 25E COUNTY SAN JUAN

43-037-~~305400~~<sup>30900</sup>  
API NUMBER

FED  
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

MAP

HL

NID

PI

PROCESSING COMMENTS:

NO OIL WELLS WITHIN 1000'

Lake Canyon Unit was approved 5-23-83, and this APD can now be processed as a unit well rather than a c-3-c well. - Ypm 5-25-83

CHIEF PETROLEUM ENGINEER REVIEW:

5/26/83, Unit well.

APPROVAL LETTER:

SPACING:

A-3

Lake Canyon  
UNIT

c-3-a

CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

Unirectional drilling data must be submitted at time of completion - approval to drill contingent upon submittal of a copy of the Utah State Water Rights approval for water used during drilling.

*to establish bottom hole location*

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON FLAT 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 NO

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

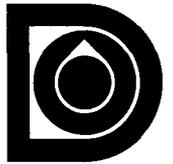
CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

DAVIS OIL COMPANY

410 — 17TH STREET, SUITE 1400  
DENVER, COLORADO 80202-4472  
TELEPHONE: 303-623-1000



NEW ORLEANS  
HOUSTON  
TULSA

May 23, 1983

Mr. Norm Stout  
State of Utah  
Division of Oil, Gas and Minerals  
4241 State Office Building  
Salt Lake City, Utah 84114

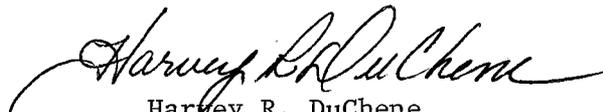
RE: Davis Oil Company No. 1 Lake  
Canyon Federal, surface location  
NE/4NE/4 Sec. 12, T37S, R25E;  
Bottomhole location 1100' FEL,  
660' FSL, Sec. 1, T37S, R25E;  
6400' Desert Creek test

Dear Mr. Stout:

Davis Oil Company hereby requests an exception location under Rule C-3-c for the No. 1 Lake Canyon Federal, a 6400 - foot Desert Creek test in San Juan County, Utah. Due to rough topography, this well will require directional drilling. The bottomhole location is placed to gain maximum structure at the expected Desert Creek reservoir zone while remaining in favorable stratigraphic position. The leases within 660 feet of the bottomhole location are owned mutually by Davis Oil Company, Getty Oil Company, Chorney Oil Company, and Donald B. Anderson, and are included within the Lake Canyon Federal unit.

Very truly yours,

DAVIS OIL COMPANY

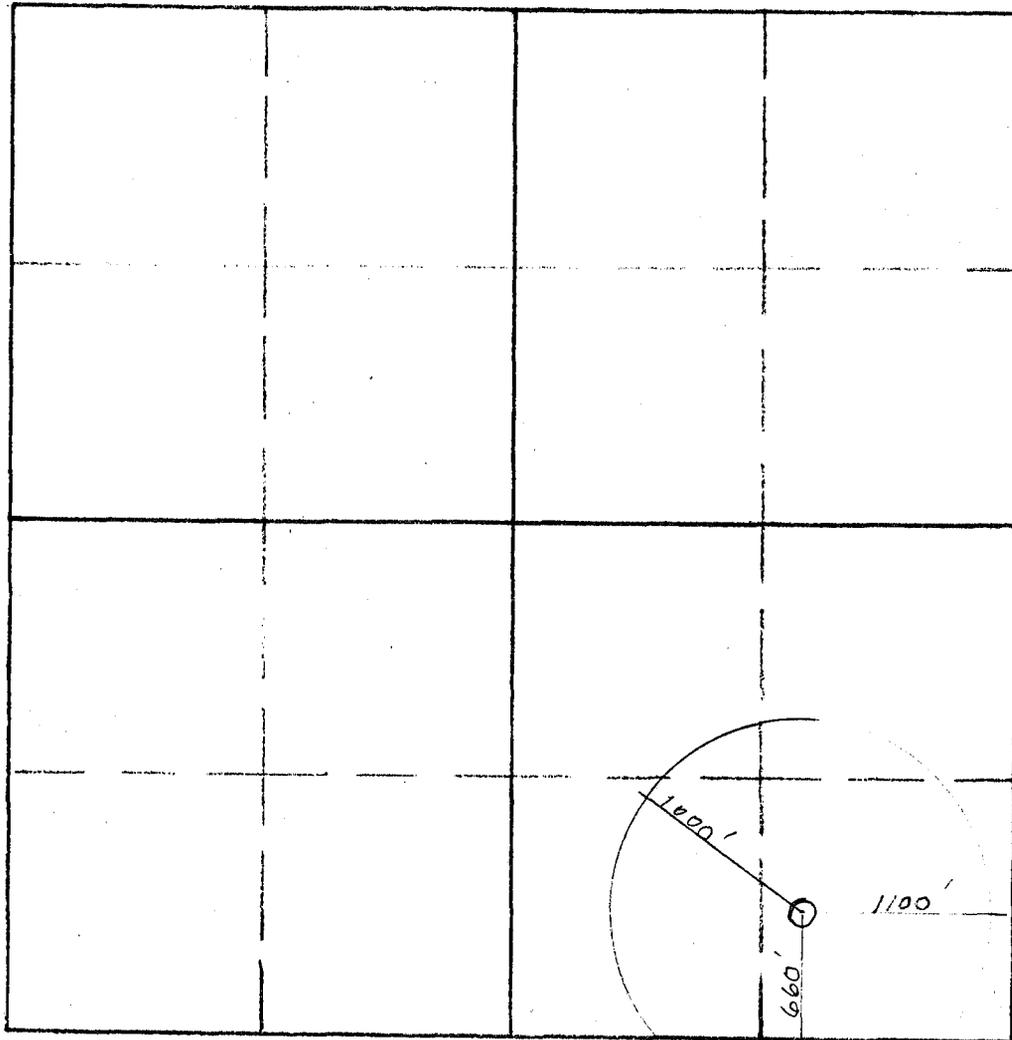
  
Harvey R. DuChene  
Geologist

HRD/mh

RECEIVED  
MAY 25 1983

DIVISION OF  
OIL, GAS & MINING

DAVIS OIL  
LAKE CANYON FED #1  
BH LOCATION WITH APD

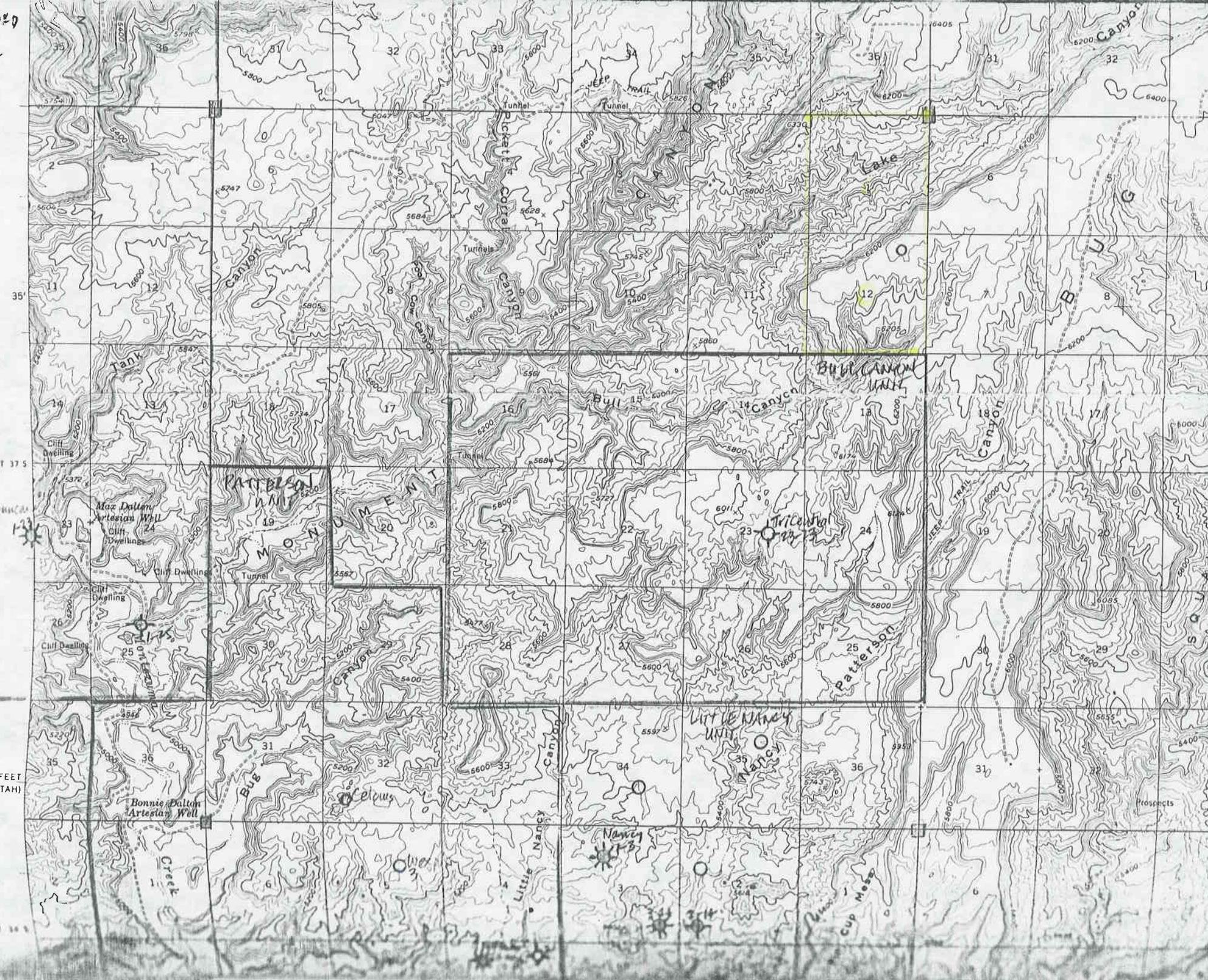


SCALE 1:1000

SECTION 1  
TOWNSHIP 37S  
RANGE 25E  
COUNTY SAN JUAN

*[Signature]*  
5-20-83

BREDFORD  
CANYON UNIT



320 000 FEET  
(UTAH)

May 25, 1983

Davis Oil Company  
410 - 17th Street, Suite 1400  
Denver, Colorado 80202

RE: Well No. Lake Canyon Federal #1  
NENE Sec. 12, T.37S, R.25E  
(Surface) 555 FNL, 1232 FEL  
SESE Sec.1, T.37S, R.25E  
(BHL) 660 FSL, 1100 FEL  
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. Directional drilling data to establish bottom hole location must be submitted at time of completion. Approval to drill contingent upon submittal of a copy of the Utah State Water Rights approval for water used during drilling.

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

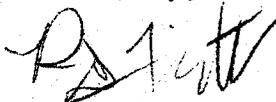
RONALD J. FIRTH - Chief Petroleum Engineer  
Office: 533-5771  
Home: 571-6068

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

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

The API number assigned to this well is 43-037-30900.

Sincerely,



R. J. Firth  
Chief Petroleum Engineer

RJF/as  
cc: Oil & Gas Operations  
Enclosure

NOTICE OF SPUD

Company: DAVIS Oil Co

Caller: Charlie Powell

Phone: \_\_\_\_\_

Well Number: # 1 Lake Canyon

Location: SE SE 1-37S-25E

County: San Juan State: Utah

Lease Number: U-23160

Lease Expiration Date: \_\_\_\_\_

Unit Name (If Applicable): ~~LAKE~~ Lake Canyon

Date & Time Spudded: May 31, 1983 8<sup>00</sup> PM

Dry Hole Spudder/Rotary: "Small" rig

Details of Spud (Hole, Casing, Cement, etc.) \_\_\_\_\_

Drilling 24" hole - hit rock @ 4'

Now drilling @ 16'

Suggested going to smaller hole and then ream

Rotary Rig Name & Number: \_\_\_\_\_

Approximate Date Rotary Moves In: \_\_\_\_\_

FOLLOW WITH SUNDRY NOTICE

Call Received By: EW6 (WMA)

Date: 6-2-83

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  
Davis Oil Company

3. ADDRESS OF OPERATOR  
Box 534 Mills, Wyoming 82644

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: NENE Sec. 12-T37S-R25E  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

5. LEASE  
U-23160

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Lake Canyon Federal

9. WELL NO.  
1

10. FIELD OR WILDCAT NAME

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 12-T37S-R25E

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

14. API NO.

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

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>spudding</u>			

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

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.)\*

Due to the unusual rock conditions the 30" 30' hole that was planned could not be drilled any farther than 17'. Please be advised that Davis Oil Company will set a 17' 21" conductor pipe and cement it to surface.

\* A rotary rig capable of drilling to total depth of the well will continue the operations as soon as possible.

The rotary rig that was used to drill the 30" 17' hole was spudded at 10:00 P.M. May 31, 1983 and was released at 12:00 noon June 3, 1983. Total drilling time 21 hours.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED Charles E Powell TITLE Asst Dist Supt DATE June 7, 83

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF SPUD

M

Company: Davis Oil Company

Caller: \_\_\_\_\_

Phone: \_\_\_\_\_

Well Number: Lake Canyon Unit #1

Location: Surf NE 1/4 12-37S-25E  
Bottom SE SE 1-37S-25E

County: San Juan State: Utah

Lease Number: U-23110

Lease Expiration Date: \_\_\_\_\_

Unit Name (If Applicable): \_\_\_\_\_

Date & Time Spudded: 7-26-83 P.M.

Dry Hole Spudder/Rotary: \_\_\_\_\_

Details of Spud (Hole, Casing, Cement, etc.) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Rotary Rig Name & Number: \_\_\_\_\_

Approximate Date Rotary Moves In: \_\_\_\_\_

FOLLOW WITH SUNDRY NOTICE

Call Received By: DeLois

Date: 7-26-83

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OIL GAS & MINING

**REPEAT FORMATION TESTER RECOVERY AND INTERPRETATION DATA**

FORMATION TEST NO. <u>Two</u> TEST DEPTH <u>6420</u> <u>2 3/4 gallon chamber</u>	<b>RECOVERY DATA</b> Gas (Total) <u>2.74</u> cuft Condensate _____ cc Oil <u>350</u> cc Water <u>725</u> cc Mud <u>475</u> cc Sand <u>+</u> cc <u>1550 cc total.</u>	<b>FORMATION AND LOG DATA</b> Formation (Dolo.) <u>DESERT CREEK</u> Porosity _____ % Rt _____ @ _____ °F Rw _____ @ _____ °F Chart NaCl _____ ppm Titrated Cl <u>150000 *</u> ppm Water Saturation _____ % *EST. BY <u>GEOLOGIST</u>
<b>PRESSURE DATA</b> (See Log) Initial Shut In _____ psi Shut In Time _____ mins Sampling <u>128</u> psi Sampling Time <u>59 min.</u> mins Final Shut In _____ psi Shut In Time _____ mins Hydrostatic <u>3790</u> psi Surface Chamber <u>10 or 20?</u> psi	<b>RECOVERY ANALYSIS</b> Free Gas _____ cuft Oil _____ API Gravity _____ °@ _____ °F GOR _____ Water _____ Rrf (filtered) <u>.139 @ 82</u> °F Chart NaCl <u>43000</u> ppm Titrated Cl <u>30000</u> ppm Formation Water <u>20</u> % <u>(43K - 16K) ÷ (150K - 16K) = .3</u>	<b>MUD FILTRATE DATA</b> Rmf <u>.341 @ 82</u> °F Chart NaCl <u>16,000</u> ppm Titrated Cl <u>2900</u> ppm <u>MUD EGR?</u>
<b>TOOL DATA</b> Sample Unit Size <u>2 3/4 gallon</u> Choke Size _____ Probe Filter _____ Restrictor <input type="checkbox"/> Yes <input type="checkbox"/> No		

RESULTS INDICATE THAT  $R_w = 20\% \text{ of } 725 \text{ cc SAMPLE} = .41 \frac{\text{WATER}}{\text{OIL}} \text{ RATIO.}$  MAY BE EXPECTED AT THIS DEPTH.

REMARKS <u>DAVIS OIL / LEAR PETROLEUM</u> <u>#1 LAKE CANYON FEDERAL</u> <u>SAN JUAN COUNTY UTAH.</u>	<b>GAS ANALYSIS</b> Free Gas _____ Cuft Solution Gas _____ Cuft Total Gas _____ Cuft
--	---

**REPEAT FORMATION TESTER RECOVERY AND INTERPRETATION DATA**

FORMATION TEST NO. <u>Six</u> TEST DEPTH <u>6421</u> <u>1 gallon chamber</u>	<b>RECOVERY DATA</b> Gas (Total) <u>5.70</u> cuft Condensate _____ cc Oil <u>900</u> cc Water <u>1200</u> cc Mud <u>100</u> cc Sand <u>0</u> cc Paraffin? _____ Oil - H <sub>2</sub> O Interface <u>100</u> (2300 total)	<b>FORMATION AND LOG DATA</b> Formation <u>DESERT CREEK</u> Porosity _____ % Rt _____ @ _____ °F Rw _____ @ _____ °F Chart NaCl _____ ppm Titrated Cl <u>150,000 *</u> ppm Water Saturation _____ % *EST. BY <u>GEOLOGIST</u>
<b>PRESSURE DATA</b> (See Log) Initial Shut In _____ psi Shut In Time _____ mins Sampling <u>3561</u> psi Sampling Time <u>5 1/2</u> mins Final Shut In _____ psi Shut In Time _____ mins Hydrostatic _____ psi Surface Chamber <u>2300</u> psi	<b>RECOVERY ANALYSIS</b> Free Gas _____ cuft Oil _____ API Gravity _____ °@ _____ °F GOR _____ Water _____ Rrf (filtered) <u>.0859 @ 82</u> °F Chart NaCl <u>75,000</u> ppm Titrated Cl <u>50000</u> ppm Formation Water <u>44%</u> % <u>(75K - 16K) ÷ (150K - 16K) = .59</u>	<b>MUD FILTRATE DATA</b> Rmf <u>.341 @ 82</u> °F Chart NaCl <u>16,000</u> ppm Titrated Cl <u>2900</u> ppm
<b>TOOL DATA</b> Sample Unit Size <u>1 gallon</u> Choke Size _____ Probe Filter _____ Restrictor <input type="checkbox"/> Yes <input type="checkbox"/> No		

RESULTS INDICATE THAT  $R_w = 44\% \text{ of } 1200 \text{ cc SAMPLE} = 0.59 \frac{\text{WATER}}{\text{OIL}} \text{ RATIO}$  MAY BE EXPECTED AT THIS DEPTH.

REMARKS <u>RFT ON BOTTOM APPROXIMATELY 90 HOURS DURING FISHING OPERATION. CHAMBERS MAY HAVE LOST SOME PRESSURE.</u> <u>- GEORGE BAIN, SCHLUMBERGER WELL SERVICES</u> <u>FARMINGTON NM.</u>	<b>GAS ANALYSIS</b> Free Gas _____ Cuft Solution Gas _____ Cuft Total Gas _____ Cuft
--	---

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.





# LYNES

LYNES, INC. Security Life Bldg. • Suite 1730 • 1616 Glenarm • Denver, Colorado 80202

Phone: (303) 673-6027

Contractor Brinkerhoff-Signal  
 Rig No. 76  
 Spot 555' FNL & 1232' FEL  
 Sec. 12  
 Twp. 37S  
 Rng. 25E  
 Field Wildcat  
 County San Juan  
 State Utah  
 Elevation 6340 ft  
 Formation Desert Creek

Top Choke 1/4 x 6"  
 Bottom Choke 1"  
 Size Hole 8 3/4"  
 Size Rat Hole --  
 Size & Wt. D. P. 4 1/2" XH  
 Size Wt. Pipe 6"  
 I. D. of D. C. 2 1/4"  
 Length of D. C. 495 ft  
 Total Depth 6425 ft  
 Interval Tested 6398-6425 ft  
 Type of Test Bottom Hole  
Conventional

Flow No. 1 30 Min.  
 Shut-in No. 1 60 Min.  
 Flow No. 2 120 Min.  
 Shut-in No. 2 240 Min.  
 Flow No. 3 -- Min.  
 Shut-in No. 3 -- Min.  
 Bottom Hole Temp. 138.6° F  
 Mud Weight 11.1  
 Gravity --  
 Viscosity 46

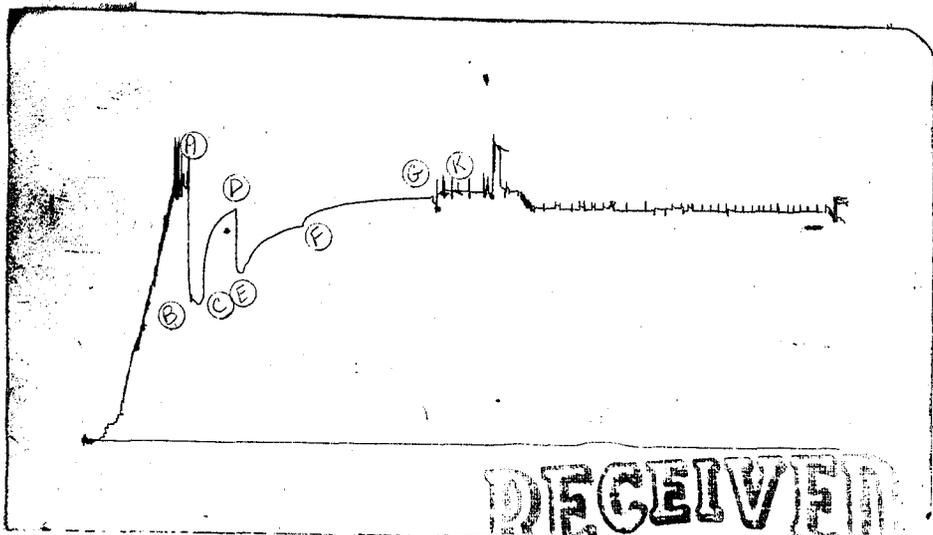
Tool opened @ 10:15 AM

### Outside Recorder

PRD Make Kuster K-3  
 No. 24521 Cap. 6625 @ 6425

	Press	Corrected
Initial Hydrostatic	A	3613
Final Hydrostatic	K	3111
Initial Flow	B	1981
Final Initial Flow	C	2042
Initial Shut-in	D	3304
Second Initial Flow	E	2222
Second Final Flow	F	3075
Second Shut-in	G	3511
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist.: Rock Springs, WY  
 Our Tester: Steve McKinney  
 Witnessed By: John Dietz



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## DIVISION OF OIL, GAS & MINING

Did Well Flow - Gas Yes Oil Yes Water Yes

RECOVERY IN PIPE: 5700 ft Total Fluid = 77 bbls.  
 563 ft Oil = 8 bbls.  
 5137 ft Salt Water = 69 bbls.

### Blow Description

1st Flow: Opened tool with strong blow, 70 psi in 3 minutes, 130 psi in 5 minutes, gas to surface in 7 minutes on 1/4" choke (see Gas Volume Report).

2nd Flow: Gas to surface immediately (see Gas Volume Report).

Comments: The test results indicate a mechanically successful test. The flow and shut-in data indicates high permeability within the zone.

Operator Davis Oil Company  
 Address 410 17th Street, Suite 1400  
Denver, CO 80202  
 Well Name and No. Lake Canyon Federal #1  
 Ticket No. 00726  
 Date 8/21/83  
 DST No. 2  
 No. Final Copies 27

DAVIS OIL  
 DST#: 2  
 LAKE CANYON FEDERAL #1  
 6398-6425

Location: 12-37S-25E  
 Test Type: BOTTOM HOLE CONVENTIONAL  
 Formation: DESERT CREEK

Recorder Number: 1644  
 Recorder Depth: 6420 ft.

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P PSI	PRESSURE (T+dt)/dt PSI	ABSCISSA	PRESSURE SQUARED PSI <sup>2</sup> /10 <sup>6</sup>
A	INITIAL HYDROSTATIC	0.0		3625.0		
B	START OF 1st FLOW	0.0		2641.0		
C	END OF 1st FLOW	30.0		2072.0		
	1st SHUTIN PERIOD	0.0	0.0	2072.0	0.0000	
		5.0	727.0	2799.0	7.0000	
		10.0	872.0	2944.0	4.0000	
		15.0	971.0	3043.0	3.0000	
		20.0	1042.0	3114.0	2.5000	
		25.0	1094.0	3166.0	2.2000	
		30.0	1137.0	3209.0	2.0000	
		35.0	1171.0	3243.0	1.8571	
		40.0	1199.0	3271.0	1.7500	
		45.0	1224.0	3296.0	1.6667	
		50.0	1246.0	3318.0	1.6000	
		55.0	1264.0	3336.0	1.5455	
D	END OF 1st SHUTIN	60.0	1284.0	3356.0	1.5000	
E	START OF 2nd FLOW	0.0		2493.0		
F	END OF 2nd FLOW	120.0		3108.0		
	2nd SHUTIN PERIOD	0.0	0.0	3107.0	0.0000	
		10.0	146.0	3253.0	16.0000	
		20.0	195.0	3302.0	8.5000	
		30.0	229.0	3336.0	6.0000	
		40.0	256.0	3363.0	4.7500	
		50.0	278.0	3385.0	4.0000	
		60.0	296.0	3403.0	3.5000	
		70.0	314.0	3421.0	3.1429	
		80.0	328.0	3435.0	2.8750	
		90.0	340.0	3447.0	2.6667	
		100.0	351.0	3458.0	2.5000	
		110.0	361.0	3468.0	2.3636	
		120.0	371.0	3478.0	2.2500	
		130.0	379.0	3486.0	2.1538	
		140.0	386.0	3493.0	2.0714	
		150.0	394.0	3501.0	2.0000	
		160.0	401.0	3508.0	1.9375	
		170.0	406.0	3513.0	1.8824	
		180.0	411.0	3518.0	1.8333	
		190.0	416.0	3523.0	1.7895	

DAVIS OIL  
DST#: 2  
LAKE CANYON FEDERAL #1  
6398-6425

Location: 12-37S-25E  
Test Type: BOTTOM HOLE CONVENTIONAL  
Formation: DESERT CREEK

Recorder Number: 1644  
Recorder Depth: 6420 ft.

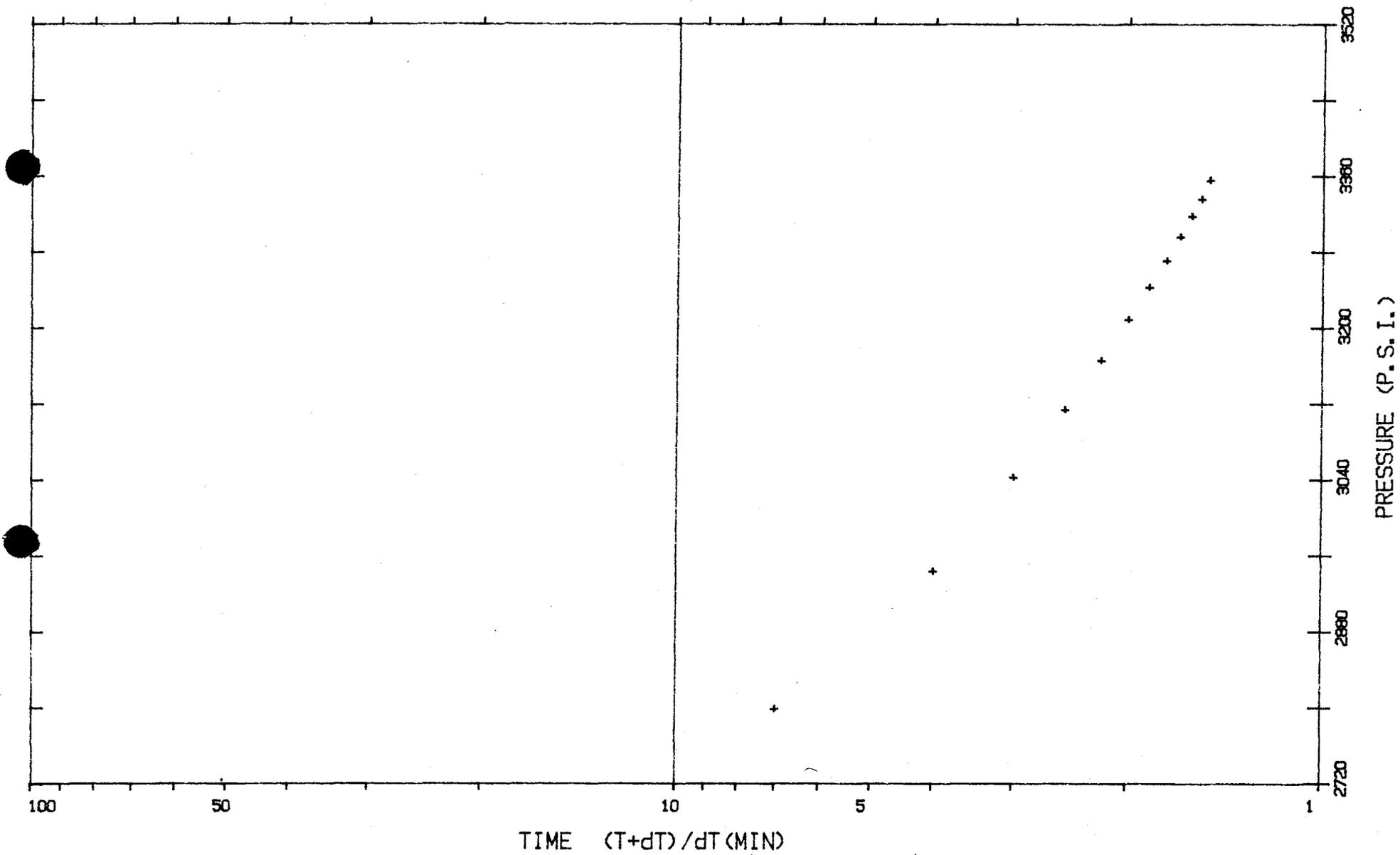
TIME-PRESSURE LISTING  
-----

CHART LABEL	COMMENTS	TIME MIN.	DELTA P PSI	PRESSURE PSI	(T+dt)/dt ABSCISSA	PRESSURE SQUARED PSI <sup>2</sup> /10 <sup>6</sup>
		200.0	420.0	3527.0	1.7500	
		210.0	424.0	3531.0	1.7143	
		220.0	428.0	3535.0	1.6818	
		230.0	431.0	3538.0	1.6522	
G	END OF 2nd SHUTIN	240.0	434.0	3541.0	1.6250	
K	FINAL HYDROSTATIC	0.0		3621.0		

\* VALUES USED FOR EXTRAPOLATIONS

OPERATOR: DAVIS OIL  
WELL NAME: LAKE CANYON FEDERAL #1  
LOCATION: 12-37S-25E  
FIRST SHUT-IN  
RECORDER: 1644

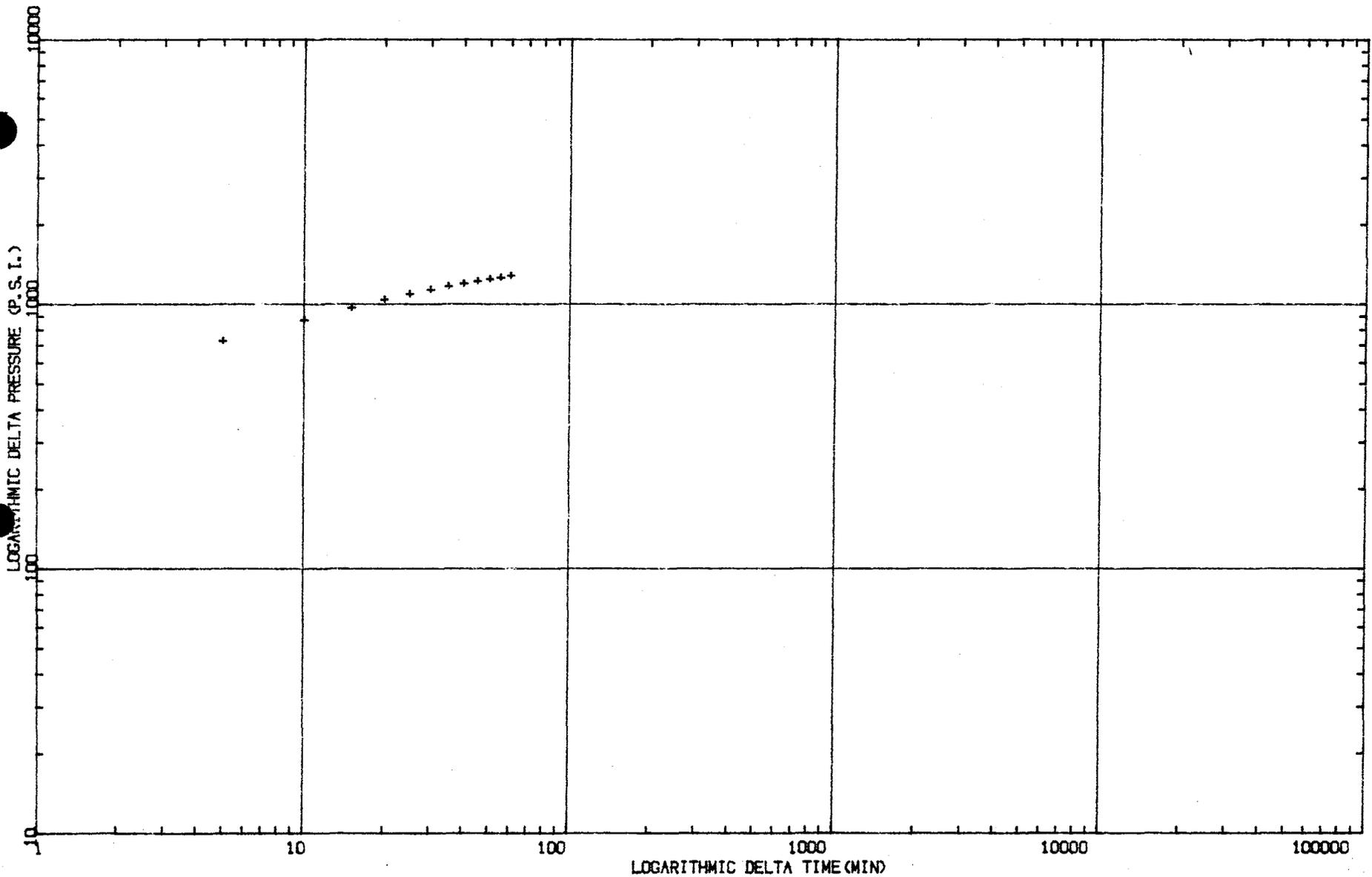
DST #: 2  
DEPTH: 6420



OPERATOR: DAVIS OIL  
WELL NAME: LAKE CANYON FEDERAL #1  
LOCATION: 12-37S-25E  
FIRST SHUT-IN  
RECORDER: 1644

DST #: 2

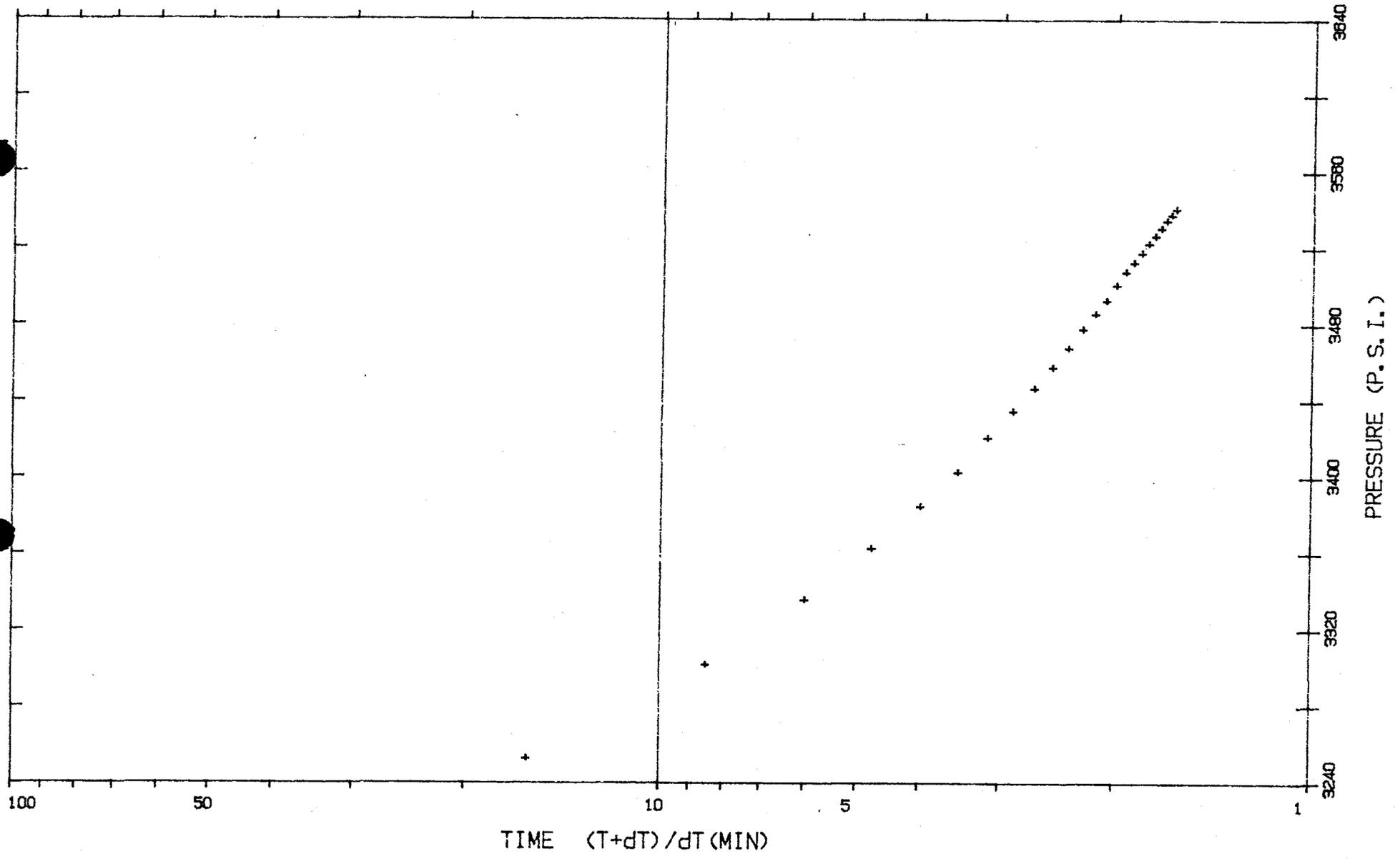
DEPTH: 6420



OPERATOR: DAVIS OIL  
WELL NAME: LAKE CANYON FEDERAL #1  
LOCATION: 12-37S-25E  
SECOND SHUT-IN  
RECORDER: 1644

DST #: 2

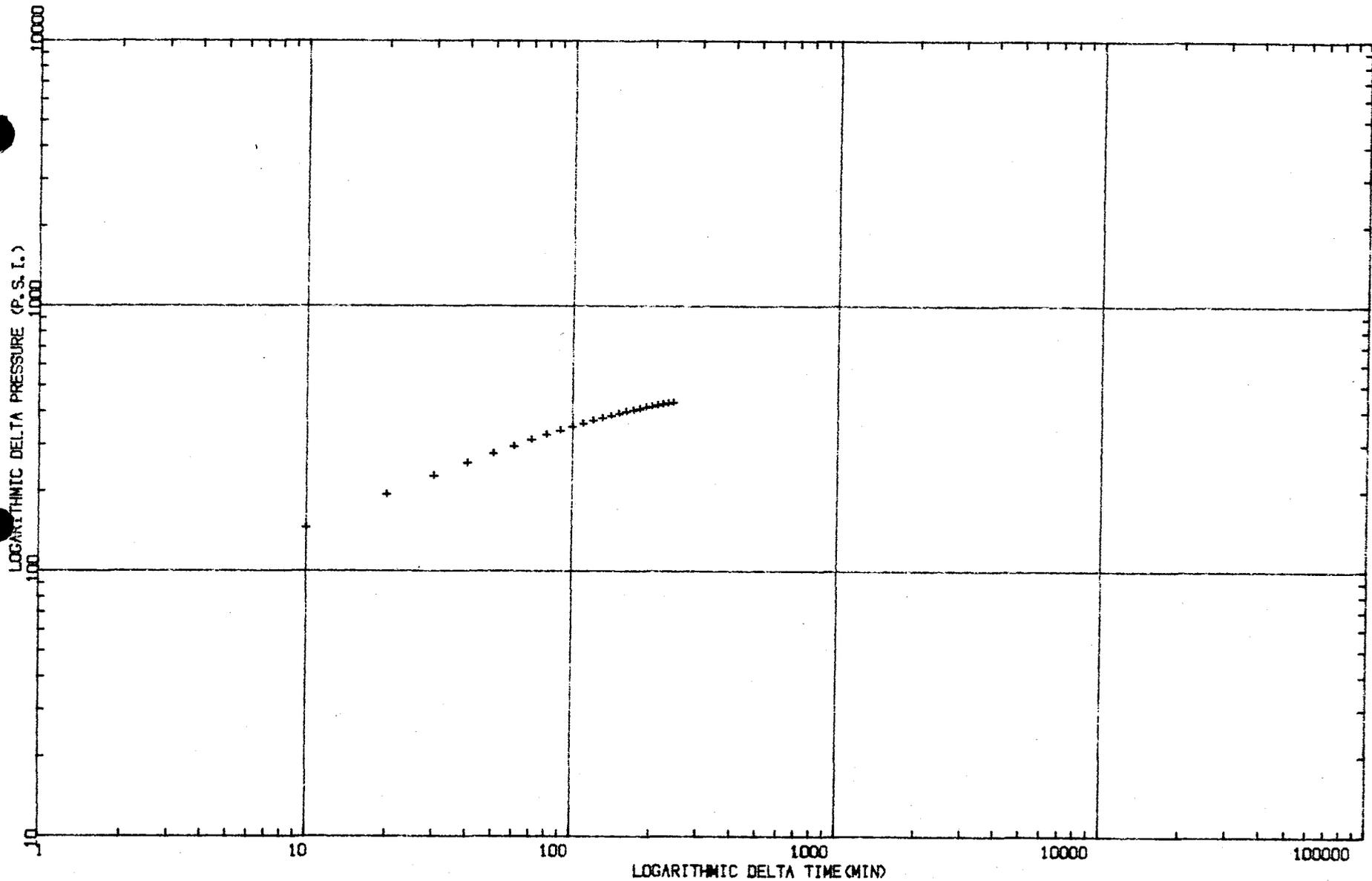
DEPTH: 6420



OPERATOR: DAVIS OIL  
WELL NAME: LAKE CANYON FEDERAL #1  
LOCATION: 12-37S-25E  
SECOND SHUT-IN  
RECORDER: 1644

DST #: 2

DEPTH: 6420



# LYNES, INC.

## Gas Volume Report

Davis Oil Company  
Operator

Lake Canyon Federal #1  
Well Name and No.

2  
DST No.

Min.	PSIG	Orifice Size	MCF/D	Comments
10:22	190	1/4"	302	
10:25	200	1/4"	317	
10:30	220	1/4"	346	
10:35	230	1/4"	361	
10:40	220	1/4"	346	
10:45	200	1/4"	317	
				Shut in tool.
Open	190	1/4"	157	
11:50	110	1/4"	184	
11:55	110	1/4"	184	
				Drilling fluid to surface.
12:15	200	1/4"	317	
12:30	260	1/4"	405	
12:45	260	1/4"	405	
12:48				Oil and gas cut water to surface.
12:55	260	1/4"	405	
1:10	300	1/4"	464	
1:15	335	1/4"	515	
1:45	320	1/4"	493	
				Shut in tool.

Remarks:

DAVIS OIL  
DST#: 2  
LAKE CANYON FEDERAL #1  
6398-6425

Location: 12-37S-25E  
Test Type: BOTTOM HOLE CONVENTIONAL  
Formation: DESERT CREEK

Recorder Number: 1644  
Recorder Depth: 6420 ft.

SAMPLE DATA  
\*\*\*\*\*

SAMPLE CHAMBER:  
\*\*\*\*\*

Capacity of sample chamber	2000	cc
Volume of sample.....	2000	cc
Pressure in sampler.....	1800	psig
Where sampler was drained...	RIG FLOOR	

Sampler contained: Slight oil cut salt water.

RESISTIVITY DATA:  
\*\*\*\*\*

# LYNES INC.

DMR-312 DIGITAL MEMORY RECORDER NO. 1644 CAP \_\_\_\_\_ AT 6420

OPERATOR Davis Oil

WELL NAME Lake Canyon Federal #1

TICKET NO. 00726

DST. NO. 2

<p>09:56:30 T 121.625 3628.75 3618.75 3611.25 3606.25 4165.00 3666.25 3650.00</p> <p>10:04:30 T 124.062 3631.25 3626.25 3621.25 3618.75 3601.25 3623.75</p> <p>Initial Hydro. -3622.50 10:12:30 T 125.562 3691.25 3751.25</p> <p>Start 1st flow -2641.25 2461.25 2321.25 2231.25 2110.00</p> <p>10:20:30 T 134.625 2106.25 2042.50 2002.50 2011.25 1998.75 1991.25 1978.75</p> <p>10:28:30 T 138.125 1968.75 1960.00 1950.00 1936.25 1937.50 1946.25 1953.75</p> <p>10:36:30 T 138.500 1983.75 1992.50 2008.75 2031.25 2042.50 2053.75</p> <p>End 1st flow -2072.50 10:44:30 T 138.437 2580.00 2657.50 2712.50 2758.75 -2798.75 2832.50 2865.00</p> <p>10:52:30 T 138.562 2920.00 -2943.75 2966.25 2988.75 3007.50 3026.25 -3042.50</p> <p>11:00:30 T 138.562 3073.75 3088.75 3101.25 -3113.75 3125.00 3136.25 3147.50</p>	<p>11:08:30 T 138.437 -3166.25 3176.25 3186.25 3193.75 3201.25 -3208.75 3216.25</p> <p>11:16:30 T 138.062 3230.00 3236.25 -3242.50 3248.75 3255.00 3260.00 3266.25</p> <p>11:24:30 T 137.750 3276.25 3281.25 3286.25 3291.25 -3296.25 3301.25 3305.00</p> <p>11:32:30 T 137.750 3313.75 -3317.50 3321.25 3325.00 3328.75 3332.50 -3336.25</p> <p>11:40:30 T 137.875 3343.75 3346.25 3350.00 3353.75 End 1st shut-in 3356.25 2492.50 2443.75</p> <p>11:48:30 T 137.812 2412.50 2401.25 Start 2nd flow -2393.75 2393.75 2395.00 2403.75 2410.00</p> <p>11:56:30 T 138.000 2437.50 2456.25 2477.50 2498.75 2521.25 2543.75 2557.50</p> <p>11:34:30 T 138.000 2571.25 2575.00 2591.25 2610.00 2630.00 2646.25 2662.50</p> <p>11:12:30 T 137.875 2695.00 2707.50 2725.00 2735.00 2746.25 2758.75 2768.75</p>	<p>11:20:30 T 137.875 2786.25 2796.25 2807.50 2817.50 2826.25 2833.75 2841.25</p> <p>11:28:30 T 137.937 2858.75 2863.75 2871.25 2880.00 2885.00 2891.25 2900.00</p> <p>11:36:30 T 137.937 2906.25 2913.75 2916.25 2920.00 2923.75 2928.75 2932.50</p> <p>11:44:30 T 137.937 2941.25 2947.50 2943.75 2946.25 2953.75 2955.00 2963.75</p> <p>11:52:30 T 137.812 2966.25 2973.75 2976.25 2981.25 2983.75 2987.50 2991.25</p> <p>11:00:30 T 137.937 3001.25 3005.00 3010.00 3015.00 3020.00 3023.75 3026.25</p> <p>11:08:30 T 137.937 3033.75 3037.50 3041.25 3043.75 3047.50 3051.25 3053.75</p> <p>11:16:30 T 137.875 3058.75 3063.75 3065.00 3067.50 3068.75 3071.25 3071.25</p> <p>11:24:30 T 137.875 3076.25 3076.25 3080.00 3082.50 3085.00 3087.50 3088.75</p>	<p>11:32:30 T 137.937 3093.75 3096.25 3097.50 3098.75 3098.75 3100.00 3102.50</p> <p>11:40:30 T 137.937 3106.25 3106.25 3106.25 3106.25 3106.25 3106.25 3106.25</p> <p>End 2nd flow -3107.50 11:48:30 T 137.750 3171.25 3188.75 3202.50 3213.75 3223.75 3231.25 3238.75</p> <p>11:56:30 T 138.000 -3253.75 3258.75 3265.00 3271.25 3276.25 3281.25 3286.25</p> <p>11:04:30 T 137.812 3293.75 3298.75 -3302.50 3307.50 3311.25 3313.75 3317.50</p> <p>11:12:30 T 137.687 3323.75 3327.50 3331.25 3333.75 -3336.25 3338.75 3342.50</p> <p>11:20:30 T 137.562 3347.50 3351.25 3352.50 3355.00 3358.75 3361.25 -3363.75</p> <p>11:28:30 T 137.500 3367.50 3370.00 3372.50 3375.00 3377.50 3378.75 3381.25</p> <p>11:36:30 T 137.437 -3385.00 3387.50 3388.75 3391.25 3393.75 3395.00 3396.25</p>
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# LYNES INC.

DMR-312 DIGITAL MEMORY RECORDER NO. 1644 CAP \_\_\_\_\_ AT 6420

OPERATOR Davis 01

WELL NAME Lake Canyon Federal #1

TICKET NO. 00726

DST. NO. 2

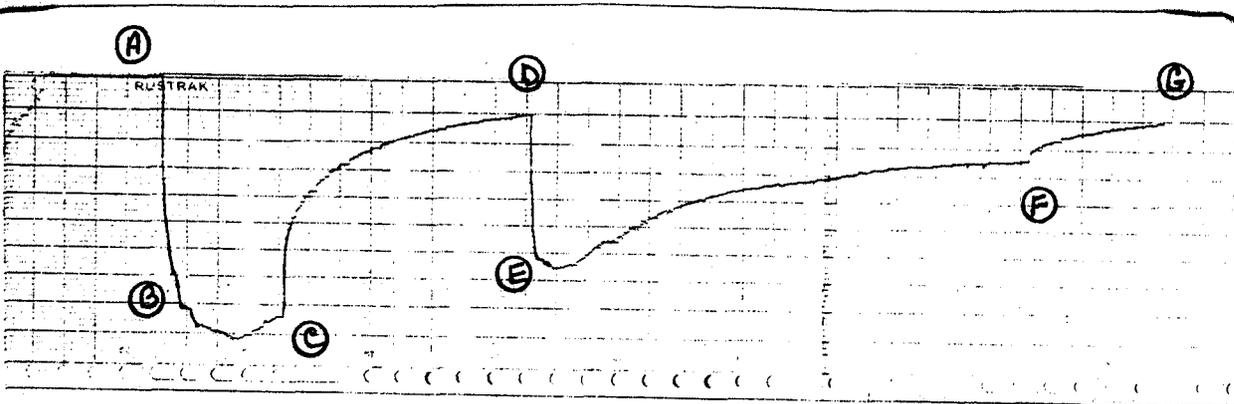
14:44:30 T 137.375	15:56:30 T 137.062	17:08:30 T 136.937
3400.00	-3486.25	-3527.50
3402.50	3487.50	3527.50
-3403.75	3488.75	3528.75
3406.25	3488.75	3528.75
3407.50	3490.00	3528.75
3408.75	3491.25	3530.00
3411.25	3491.25	3530.00
14:52:30 T 137.312	16:04:30 T 137.062	17:16:30 T 136.875
3413.75	3492.50	3531.25
3416.25	3493.75	3531.25
3417.50	-3493.75	-3531.25
3418.75	3495.00	3531.25
-3421.25	3495.00	3532.50
3422.50	3496.25	3532.50
3423.75	3496.25	3532.50
15:00:30 T 137.312	16:12:30 T 137.062	17:24:30 T 136.937
3427.50	3498.75	3533.75
3427.50	3498.75	3533.75
3428.75	3498.75	3533.75
3431.25	3500.00	3535.00
3431.25	-3501.25	-3535.00
3433.75	3501.25	3536.25
-3435.00	3502.50	3536.25
15:08:30 T 137.187	16:20:30 T 137.062	17:32:30 T 136.812
3437.50	3503.75	3536.25
3438.75	3503.75	3536.25
3440.00	3503.75	3537.50
3441.25	3505.00	3537.50
3442.50	3506.25	3538.75
3443.75	3506.25	3538.75
3445.00	-3506.25	-3538.75
15:16:30 T 137.187	16:28:30 T 136.937	17:40:30 T 136.937
-3447.50	3508.75	3538.75
3448.75	3508.75	3540.00
3450.00	3508.75	3538.75
3451.25	3510.00	3540.00
3452.50	3510.00	3541.25
3453.75	3511.25	3541.25
3455.00	3511.25	3541.25
15:24:30 T 137.187	16:36:30 T 136.937	End 2nd shut-in 3541.25
3456.25	-3512.50	17:48:30 T 136.812
3457.50	3512.50	Final Hydro. -3552.50
-3458.75	3513.75	3568.75
3460.00	3513.75	3578.75
3461.25	3513.75	3582.50
3462.50	3515.00	3566.25
3463.75	3515.00	3553.75
15:32:30 T 137.187	16:44:30 T 136.937	3605.00
3465.00	3516.25	17:56:30 T 137.125
3466.25	3516.25	3621.25
3467.50	3518.75	3618.75
3468.75	3517.50	3618.75
-3468.75	-3518.75	3617.50
3470.00	3518.75	3618.75
3471.25	3520.00	3618.75
15:40:30 T 137.125	16:52:30 T 136.937	3618.75
3472.50	3521.25	18:04:30 T 137.562
3473.75	3521.25	3620.00
3475.00	3521.25	3620.00
3476.25	3522.50	-3620.00
3477.50	3522.50	3621.25
3477.50	3523.75	3620.00
-3478.75	-3523.75	3621.25
15:48:30 T 137.125	17:00:30 T 136.937	3621.25
3480.00	3523.75	18:12:30 T 137.437
3480.00	3525.00	3566.25
3481.25	3525.00	3653.75
3483.75	3525.00	3635.00
3483.75	3526.25	3627.50
3483.75	3526.25	3622.50
3485.00	3526.25	3621.25
		3622.50

PRESSURE RECORDER NUMBER : 1644

DEPTH : 6420.00ft. LOCATION : OUTSIDE  
TYPE : DMR CAPACITY : 5000.00PSI

PRESSURE  
PSI

- A)Initial Hydro : 3622.0
- B)1st Flow Start: 2641.0
- C)1st Flow End : 2072.0
- D)END 1st Shutin: 3356.0
- E)2nd Flow Start: 2493.0
- F)2nd Flow End : 3108.0
- G)END 2nd Shutin: 3541.0
- K)Final Hydro. : 3621.0



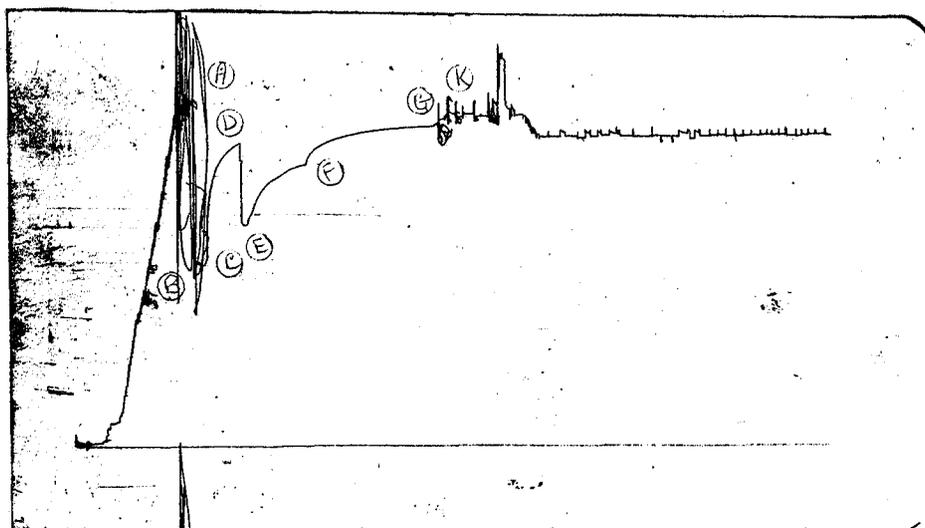
TEST TIMES(MIN)  
1st FLOW : 30  
SHUTIN: 60  
2nd FLOW : 120  
SHUTIN: 240

PRESSURE RECORDER NUMBER : 18731

DEPTH : 6383.00ft. LOCATION : INSIDE  
TYPE : K-3 CAPACITY : 5125.00PSI

PRESSURE  
PSI

- A)Initial Hydro : 3642.0
- B)1st Flow Start: 1975.0
- C)1st Flow End : 2049.0
- D)END 1st Shutin: 3320.0
- E)2nd Flow Start: 2198.0
- F)2nd Flow End : 3076.0
- G)END 2nd Shutin: 3502.0
- K)Final Hydro. : 3640.0



Contractor Brinkerhoff Signal  
 Rig No. 76  
 Spot 555' FNL & 1232' FEL  
 Sec. 12  
 Twp. 37S  
 Rng. 25E  
 Field Wildcat  
 County San Juan  
 State Utah  
 Elevation 6340 ft  
 Formation Upper Ismay

Top Choke 1/4" x 6  
 Bottom Choke 1"  
 Size Hole 8 3/4"  
 Size Rat Hole --  
 Size & Wt. D. P. 4 1/2" XH 16.60  
 Size Wt. Pipe 6"  
 I. D. of D. C. 2 1/4"  
 Length of D. C. 525 ft  
 Total Depth 6236 ft  
 Interval Tested 6154-6236 ft  
 Type of Test Bottom Hole  
Conventional

Flow No. 1 30 Min.  
 Shut-in No. 1 58 Min.  
 Flow No. 2 90 Min.  
 Shut-in No. 2 180 Min.  
 Flow No. 3 -- Min.  
 Shut-in No. 3 -- Min.

Bottom Hole Temp. 126.9<sup>0</sup> F  
 Mud Weight 8.9  
 Gravity --  
 Viscosity 44

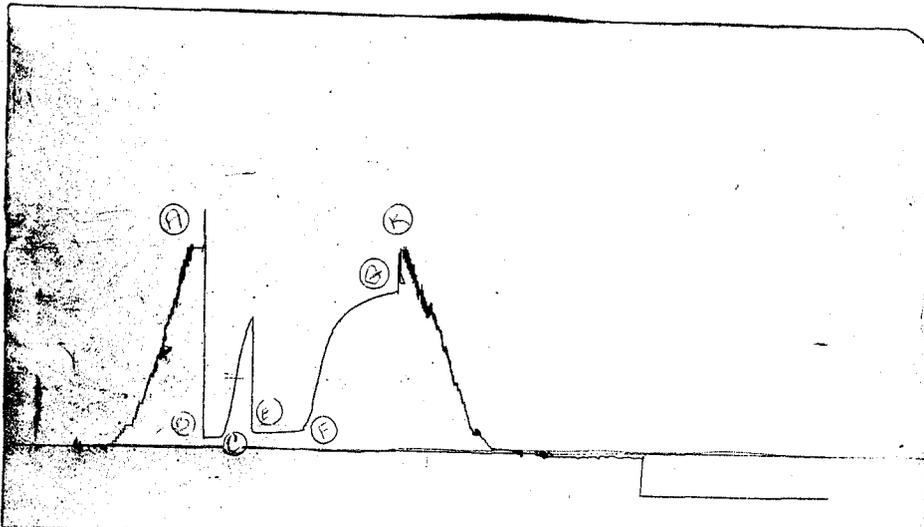
Tool opened @ 11:50 AM

Inside Recorder

PRD Make Kuster K-3  
 No. 24521 Cap. 6625 @ 6236

	Press	Corrected
Initial Hydrostatic	A	2831
Final Hydrostatic	K	2831
Initial Flow	B	149
Final Initial Flow	C	163
Initial Shut-in	D	1835
Second Initial Flow	E	240
Second Final Flow	F	275
Second Shut-in	G	2242
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist.: Rock Springs, WY  
 Our Tester: Steve McKinney  
 Witnessed By: John Dietz



Did Well Flow - Gas -- Oil No Water No

RECOVERY IN PIPE: 500 ft Total Fluid = 2.68 bbls.  
 320 ft Drilling Fluid = 1.80 bbls.  
 180 ft Mud Cut Salt Water = 0.88 bbl.

Blow description

1st Flow: Opened tool with fair blow. 3 oz/sq inch in 10 min., 6 oz in 15 min., 8 oz in 20 min., 11 oz in 30 min.

2nd Flow: Opened tool with weak blow. 6 oz in 10 min., 7 oz in 20 min., 8 oz in 30 min., 9 oz in 50 min., 9 oz in 60 min., 10 oz in 70 min.

Comments: The test results indicate a mechanically successful test. The flow and shut-in curves indicate relatively low permeability within the zone tested. The initial and final shut-in curves were incremented but no accurate extrapolations could be performed due to insufficient curve development.

Operator Davis Oil Company  
 Address 410 17th Street, Suite 1400  
Denver, CO 80202

Well Name and No. Lake Canyon Federal #1  
 Ticket No. 00725

Date 8/19/83

DST No. 1  
 No. Final Copies 27

Location: 12-37S-25E  
 Test Type: BOTTOM HOLE CONVENTIONAL  
 Formation: UPPER ISMAY

Recorder Number: 1637  
 Recorder Depth: 6226 ft.

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P PSI	PRESSURE (T+dt)/dt PSI	ABSCISSA	PRESSURE SQUARED PSI <sup>2</sup> /10 <sup>6</sup>
A	INITIAL HYDROSTATIC	0.0		2846.0		
B	START OF 1st FLOW	0.0		123.0		
C	END OF 1st FLOW	30.0		184.0		
	1st SHUTIN PERIOD	0.0	0.0	184.0	0.0000	
		2.0	19.0	203.0	16.0000	
		4.0	47.0	231.0	8.5000	
		6.0	79.0	263.0	6.0000	
		8.0	115.0	299.0	4.7500	
		10.0	155.0	339.0	4.0000	
		12.0	199.0	383.0	3.5000	
		14.0	250.0	434.0	3.1429	
		16.0	307.0	491.0	2.8750	
		18.0	375.0	559.0	2.6667	
		20.0	450.0	634.0	2.5000	
		25.0	676.0	860.0	2.2000	
		30.0	925.0	1109.0	2.0000	
		35.0	1149.0	1333.0	1.8571	
		40.0	1335.0	1519.0	1.7500	
		45.0	1480.0	1664.0	1.6667	
		50.0	1596.0	1780.0	1.6000	
		55.0	1689.0	1873.0	1.5455	
D	END OF 1st SHUTIN	58.0	1736.0	1920.0	1.5172	
E	START OF 2nd FLOW	0.0		240.0		
F	END OF 2nd FLOW	90.0		284.0		
	2nd SHUTIN PERIOD	0.0	0.0	284.0	0.0000	
		2.0	14.0	298.0	61.0000	
		4.0	36.0	320.0	31.0000	
		6.0	61.0	345.0	21.0000	
		8.0	87.0	371.0	16.0000	
		10.0	115.0	399.0	13.0000	
		12.0	147.0	431.0	11.0000	
		14.0	182.0	466.0	9.5714	
		18.0	265.0	549.0	7.6667	
		20.0	312.0	596.0	7.0000	
		25.0	450.0	734.0	5.8000	
		30.0	611.0	895.0	5.0000	
		35.0	787.0	1071.0	4.4286	
		40.0	961.0	1245.0	4.0000	

Location: 12-37S-25E  
 Test Type: BOTTOM HOLE CONVENTIONAL  
 Formation: UPPER ISMAY

Recorder Number: 1637  
 Recorder Depth: 6226 ft.

TIME-PRESSURE LISTING  
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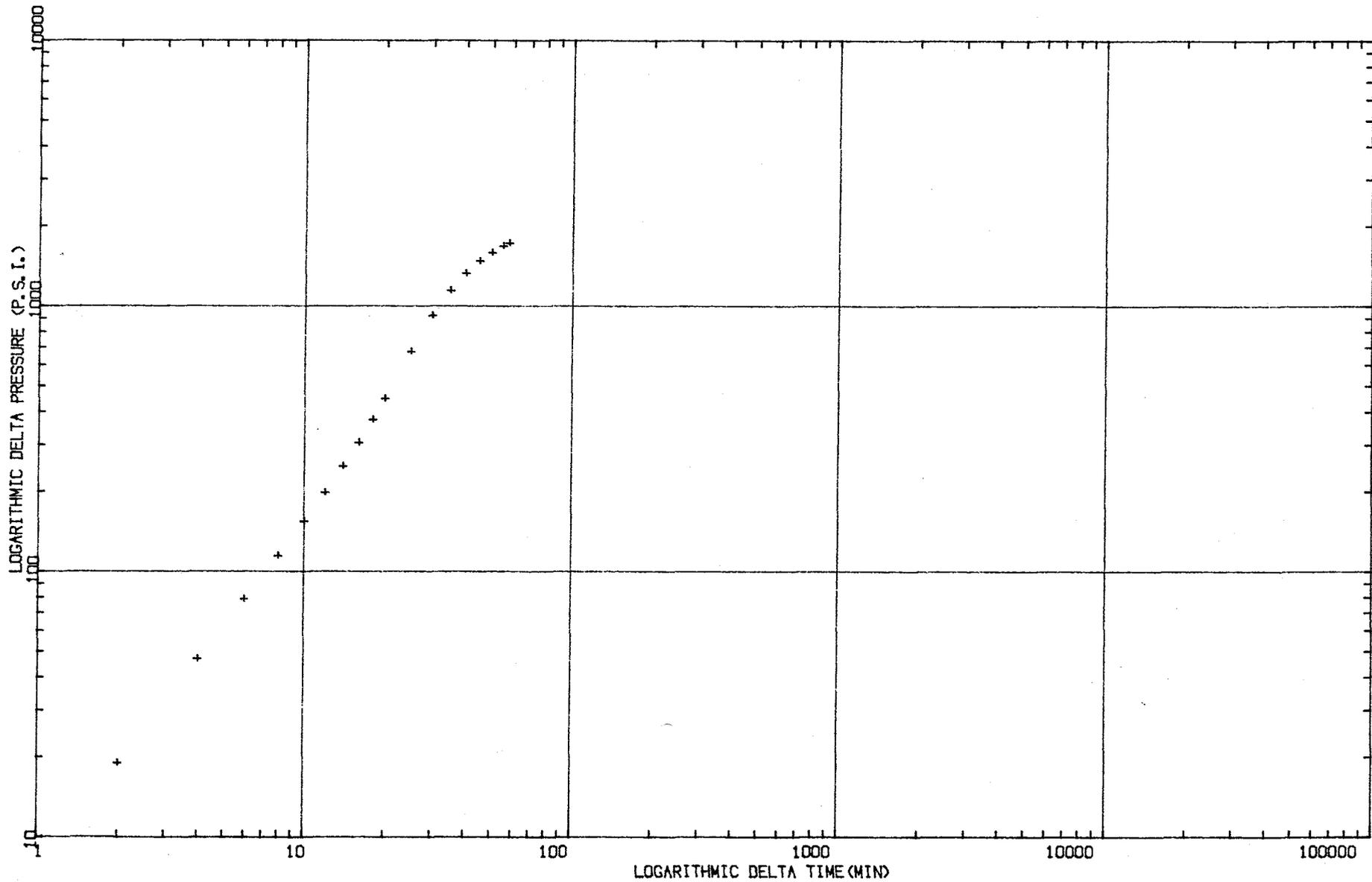
CHART LABEL	COMMENTS	TIME MIN.	DELTA P PSI	PRESSURE (T+dt)/dt PSI	PRESSURE SQUARED PSI <sup>2</sup> /10 <sup>6</sup>
		45.0	1116.0	1400.0	3.6667
		50.0	1249.0	1533.0	3.4000
		60.0	1447.0	1731.0	3.0000
		70.0	1581.0	1865.0	2.7143
		80.0	1677.0	1961.0	2.5000
		90.0	1749.0	2033.0	2.3333
		100.0	1805.0	2089.0	2.2000
		110.0	1849.0	2133.0	2.0909
		120.0	1885.0	2169.0	2.0000
		130.0	1915.0	2199.0	1.9231
		140.0	1941.0	2225.0	1.8571
		150.0	1963.0	2247.0	1.8000
		160.0	1982.0	2266.0	1.7500
		170.0	2000.0	2284.0	1.7059
G	END OF 2nd SHUTIN	180.0	2015.0	2299.0	1.6667
K	FINAL HYDROSTATIC	0.0		2843.0	

\* VALUES USED FOR EXTRAPOLATIONS

OPERATOR: DAVIS OIL COMPANY  
WELL NAME: LAKE CANYON FEDERAL # 1  
LOCATION: 12-37S-25E  
FIRST SHUT-IN  
RECORDER: 1637

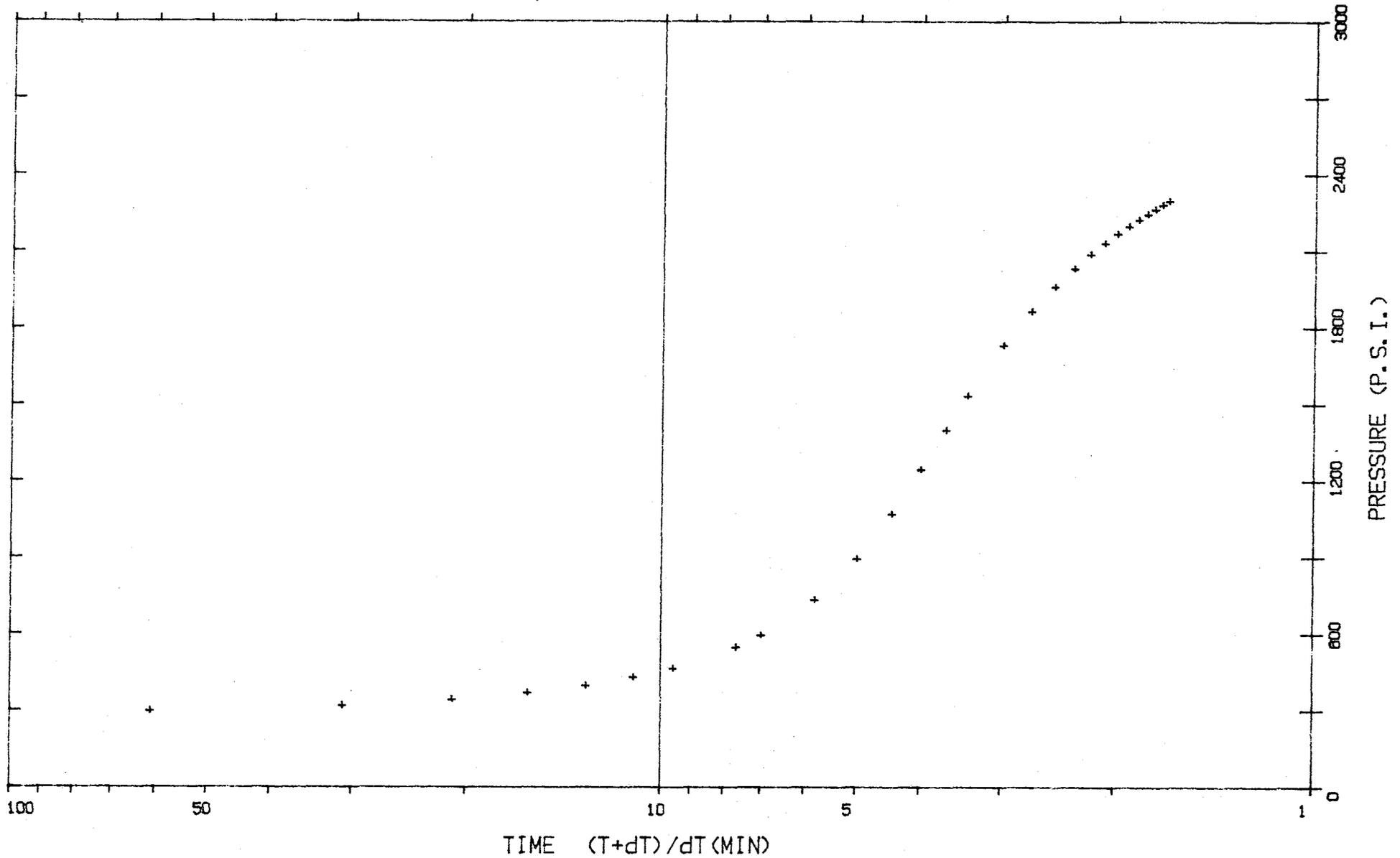
DST #: 1

DEPTH: 6226



OPERATOR: DAVIS OIL COMPANY  
WELL NAME: LAKE CANYON FEDERAL # 1  
LOCATION: 12-37S-25E  
SECOND SHUT-IN  
RECORDER: 1637

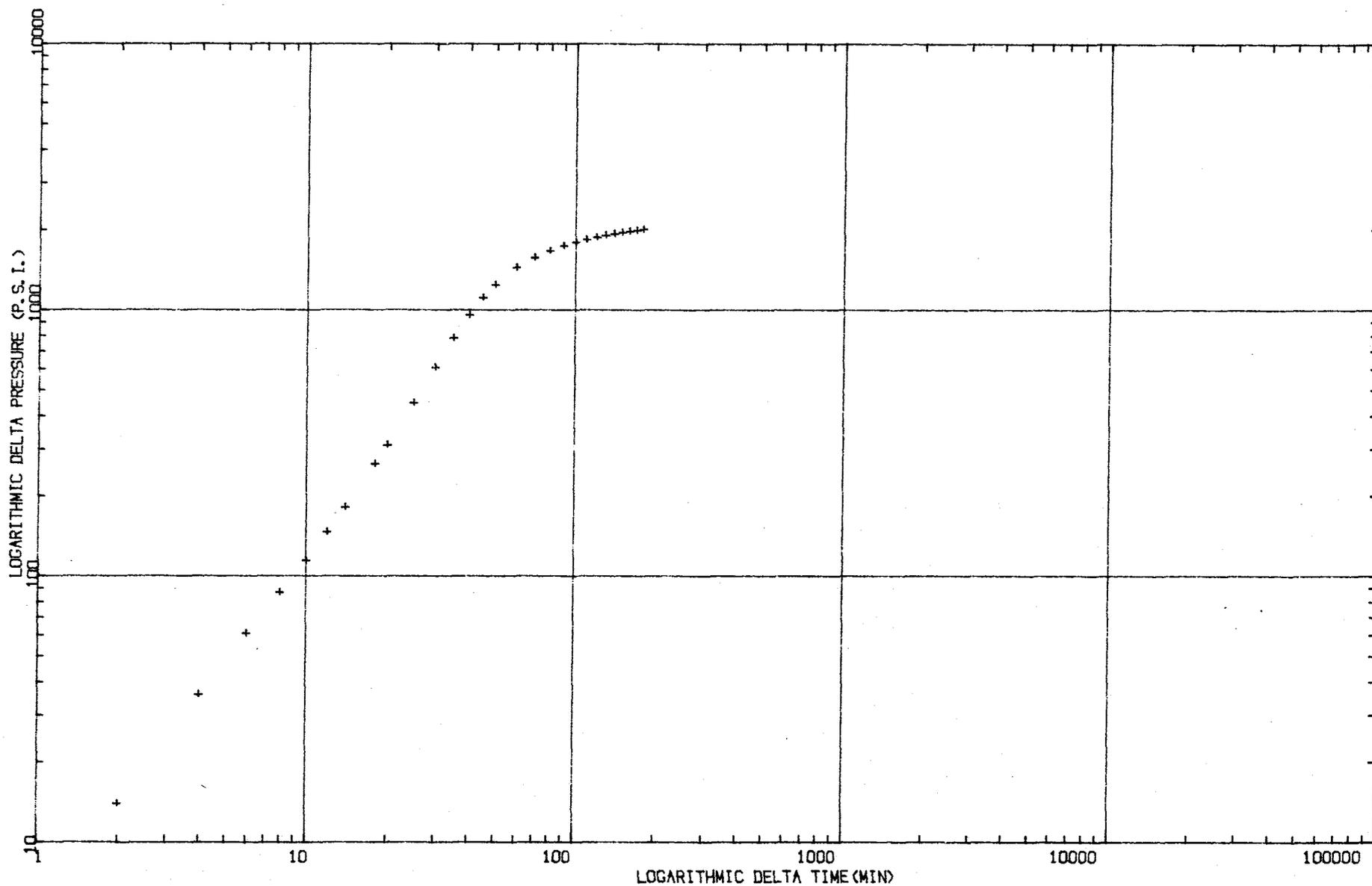
DST #: 1  
DEPTH: 6226



OPERATOR: DAVIS OIL COMPANY  
WELL NAME: LAKE CANYON FEDERAL # 1  
LOCATION: 12-37S-25E  
SECOND SHUT-IN  
RECORDER: 1637

DST #: 1

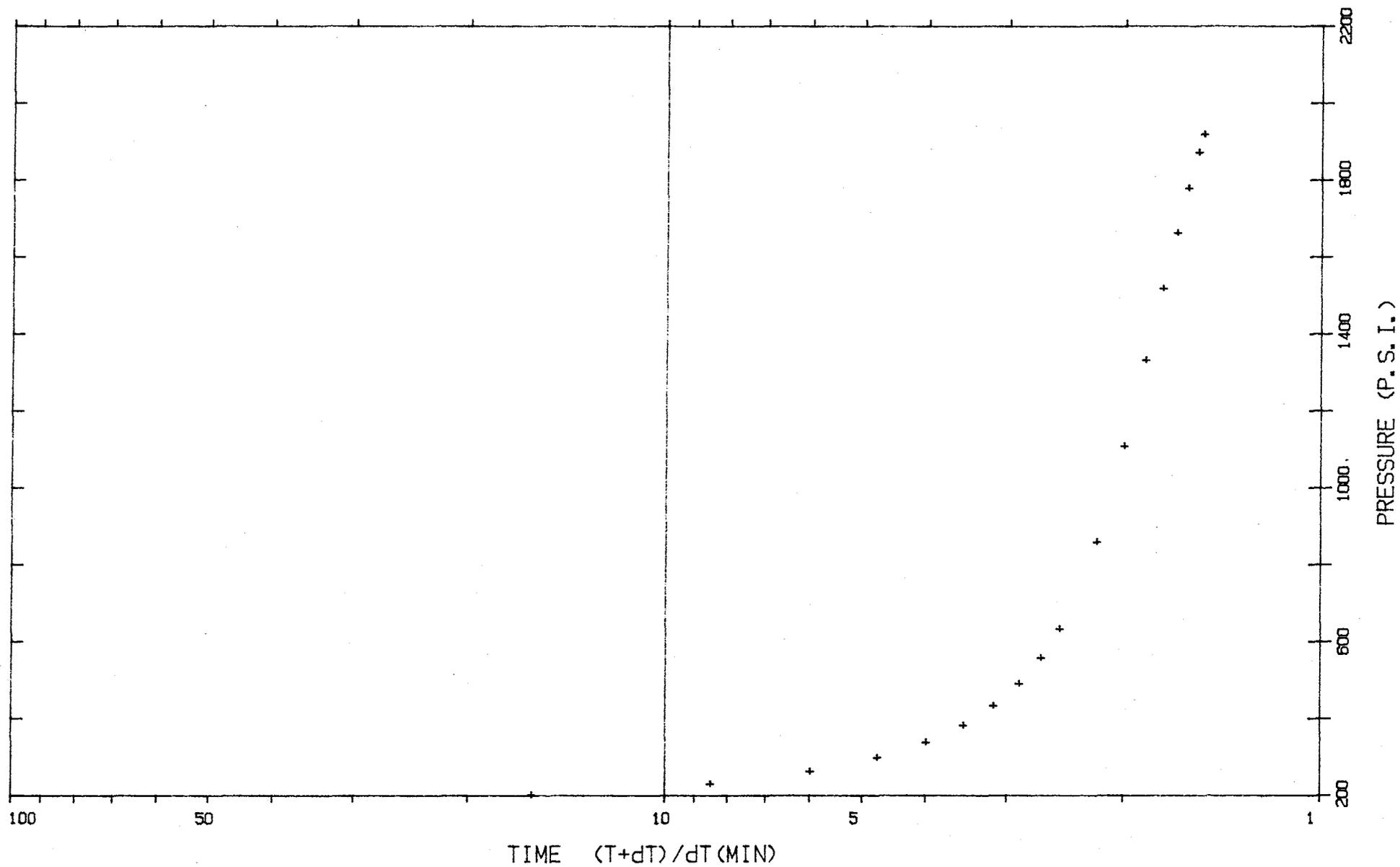
DEPTH: 6226



OPERATOR: DAVIS OIL COMPANY  
WELL NAME: LAKE CANYON FEDERAL # 1  
LOCATION: 12-37S-25E  
FIRST SHUT-IN  
RECORDER: 1637

DST #: 1

DEPTH: 6226



Location: 12-37S-25E  
Test Type: BOTTOM HOLE CONVENTIONAL  
Formation: UPPER ISMAY

Recorder Number: 1637  
Recorder Depth: 6226 ft.

SAMPLE DATA  
\*\*\*\*\*

SAMPLE CHAMBER:  
\*\*\*\*\*

Capacity of sample chamber	2000	cc
Volume of sample.....	2000	cc
Pressure in sampler.....	90	psig
Where sampler was drained...	RIG FLOOR	

Sampler contained:  
Water 2000 cc

RESISTIVITY DATA:  
\*\*\*\*\*

Top.....:	1 @ 80F = 6 000 PPM NACL
Bottom.....:	0.5 @ 80F = 11 000 PPM NACL
Sampler.....:	0.2 @ 70F = 30 000 PPM NACL
Mud pit.....:	1200 PPM NACL
Make-up Water...:	

# LYNES INC.

DMR-312 DIGITAL MEMORY RECORDER NO. 1637    CAP. 5000    AT 6226

OPERATOR Davis Oil Co.                      WELL NAME Lake Canyon Federal #1                      TICKET NO. 00725                      DST. NO. 1

<p>11:24:30 T 115.562 2846.25 2847.50 2847.50 2846.25 2846.25 2846.25 2846.25 2846.25</p> <p>11:32:30 T 118.062 2846.25 2846.25 2846.25 Initial Hydro. 2846.25 2846.25 2846.25 2846.25 2846.25</p> <p>11:40:30 T 119.312 2843.75 2853.75 2856.25 2855.00 3382.50 Start 1st flow-- 122.500 128.750</p> <p>11:48:30 T 119.625 140.000 143.750 148.750 152.500 155.000 155.000 156.250</p> <p>11:56:30 T 120.000 158.750 161.250 161.250 163.750 165.000 166.250 167.500</p> <p>12:04:30 T 120.375 170.000 171.250 172.500 173.750 175.000 176.250 177.500</p> <p>12:12:30 T 120.750 178.750 180.000 181.250 183.750 End 1st flow - 183.750 188.750 202.500</p> <p>12:20:30 T 121.000 231.250 246.250 262.500 280.000 298.750 318.750 338.750</p> <p>12:28:30 T 121.250 382.500 407.500 433.750 461.250 491.250 523.750 558.750</p>	<p>12:36:30 T 121.625 633.750 676.250 718.750 763.750 811.250 860.000 910.000</p> <p>12:44:30 T 121.875 1010.00 1058.75 1108.75 1156.25 1203.75 1248.75 1292.50</p> <p>12:52:30 T 122.187 1375.00 1413.75 1448.75 1485.00 1518.75 1550.00 1581.25</p> <p>13:00:30 T 122.437 1637.50 1663.75 1688.75 1713.75 1736.25 1758.75 1780.00</p> <p>13:08:30 T 122.687 1818.75 1838.75 1856.25 1872.50 1888.75 1905.00 1920.00 End 1st shut-in.</p> <p>13:16:30 T 122.875 240.000 211.250 213.750 215.000 217.500 217.500 218.750</p> <p>13:24:30 T 122.687 222.500 225.000 226.250 226.250 227.500 228.750 230.000</p> <p>13:32:30 T 122.875 231.250 231.250 231.250 232.500 233.750 235.000 236.250 236.250</p> <p>13:40:30 T 123.000 237.500 238.750 238.750 Start 2nd flow 240.000 241.250 242.500 242.500</p>	<p>13:48:30 T 123.125 243.750 245.000 246.250 246.250 247.500 248.750 248.750</p> <p>13:56:30 T 123.312 250.000 251.250 251.250 252.500 253.750 253.750 253.750</p> <p>14:04:30 T 123.437 256.250 256.250 257.500 258.750 258.750 258.750 260.000</p> <p>14:12:30 T 123.562 262.500 262.500 263.750 263.750 263.750 263.750 265.000 265.000</p> <p>14:20:30 T 123.687 267.500 267.500 268.750 270.000 270.000 270.000 271.250 271.250</p> <p>14:28:30 T 123.812 273.750 273.750 273.750 275.000 276.250 276.250 276.250</p> <p>14:36:30 T 123.937 277.500 278.750 278.750 281.250 281.250 281.250 282.500</p> <p>14:44:30 T 123.937 283.750 End 2nd flow 283.750 287.500 297.500 308.750 320.000 332.500</p> <p>14:52:30 T 124.125 357.500 371.250 383.750 398.750 413.750 431.250 447.500</p>	<p>15:00:30 T 124.312 485.000 506.250 527.500 548.750 571.250 596.250 621.250</p> <p>15:08:30 T 124.437 675.000 703.750 733.750 762.500 793.750 826.250 861.250</p> <p>15:16:30 T 124.562 928.750 965.000 1000.00 1036.25 1071.25 1107.50 1142.50</p> <p>15:24:30 T 124.750 1211.25 1245.00 1276.25 1308.75 1341.25 1371.25 1400.00</p> <p>15:32:30 T 124.875 1456.25 1481.25 1507.50 1532.50 1556.25 1578.75 1600.00</p> <p>15:40:30 T 125.062 1641.25 1660.00 1678.75 1696.25 1713.75 1731.25 1746.25</p> <p>15:48:30 T 125.125 1776.25 1790.00 1803.75 1817.50 1831.25 1842.50 1853.75</p> <p>15:56:30 T 125.312 1876.25 1888.75 1898.75 1908.75 1918.75 1927.50 1936.25</p> <p>16:04:30 T 125.375 1953.75 1961.25 1970.00 1977.50 1983.75 1992.50 1998.75</p>
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# LYNES INC.

DMR-312 DIGITAL MEMORY RECORDER NO. 1637 CAP 5000 AT 6226

OPERATOR Davis Oil Co. WELL NAME Lake Canyon Federal #1 TICKET NO. 00725 DST. NO. 1

16:12:30 T 125.562	17:24:30 T 126.375
2013.75	2263.75
2021.25	2266.25
2026.25	2268.75
2032.50	2270.00
2038.75	2272.50
2045.00	2273.75
2051.25	2276.25
16:20:30 T 125.625	17:32:30 T 126.437
2062.50	2278.75
2067.50	2280.00
2072.50	2281.25
2078.75	2283.75
2083.75	2285.00
2088.75	2286.25
2093.75	2287.50
16:28:30 T 125.812	17:40:30 T 126.500
2103.75	2290.00
2107.50	2292.50
2111.25	2293.75
2116.25	2295.00
2121.25	2296.25
2125.00	2298.75
2128.75	2298.75
16:36:30 T 125.937	End 2nd shut-in
2136.25	17:48:30 T 126.562
2141.25	2852.50
2143.75	2741.25
2148.75	2847.50
2151.25	2846.25
2155.00	2845.00
2158.75	Final Hydro. 2843.75
16:44:30 T 126.062	2843.75
2166.25	17:56:30 T 126.812
2168.75	2840.00
2172.50	2838.75
2176.25	2838.75
2178.75	2698.75
2181.25	2897.50
2185.00	2788.75
16:52:30 T 126.062	2773.75
2191.25	18:04:30 T 126.937
2193.75	2732.50
2196.25	2782.50
2198.75	2726.25
2202.50	2673.75
2205.00	2662.50
2207.50	2613.75
17:00:30 T 126.187	2613.75
2213.75	18:12:30 T 125.812
2216.25	2535.00
2217.50	2556.25
2220.00	2441.25
2223.75	2535.00
2225.00	2497.50
2227.50	2488.75
17:08:30 T 126.250	2438.75
2232.50	18:20:30 T 123.375
2233.75	2397.50
2236.25	2378.75
2238.75	2390.00
2241.25	2320.00
2243.75	2176.25
2245.00	2262.50
17:16:30 T 126.312	2270.00
2248.75	18:28:30 T 120.875
2251.25	2237.50
2252.50	2147.50
2255.00	2147.50
2257.50	2178.75
2258.75	2047.50
2261.25	2083.75
	2027.50

PRESSURE RECORDER NUMBER : 1637

DEPTH : 6226.00ft. LOCATION : OUTSIDE  
TYPE : DMR CAPACITY : 5000.00PSI

See Attached

PRESSURE  
PSI

A)Initial Hydro : 2846.0  
B)1st Flow Start: 123.0  
C)1st Flow End : 184.0  
D)END 1st Shutin: 1920.0  
E)2nd Flow Start: 240.0  
F)2nd Flow End : 284.0  
G)END 2nd Shutin: 2299.0  
K)Final Hydro. : 2843.0

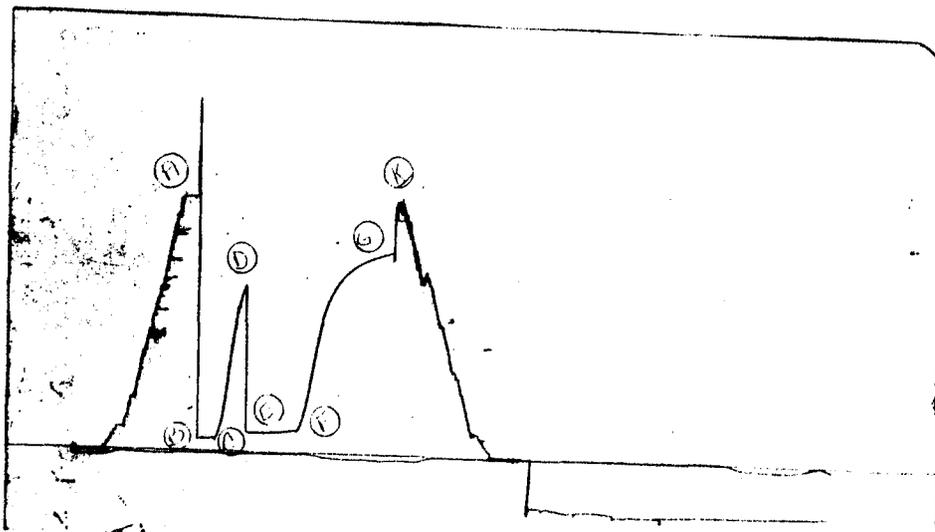
TEST TIMES(MIN)  
1st FLOW : 30  
SHUTIN: 58  
2nd FLOW : 90  
SHUTIN: 180

PRESSURE RECORDER NUMBER : 18731

DEPTH : 6145.00ft. LOCATION : INSIDE  
TYPE : K-3 CAPACITY : 5125.00PSI

PRESSURE  
PSI

A)Initial Hydro : 2822.0  
B)1st Flow Start: 157.0  
C)1st Flow End : 162.0  
D)END 1st Shutin: 1863.0  
E)2nd Flow Start: 240.0  
F)2nd Flow End : 266.0  
G)END 2nd Shutin: 2247.0  
K)Final Hydro. : 2820.0





LYNES, INC.

Davis Oil Company  
Operator

Lake Canyon Federal #1  
Well Name and No.

2  
DST No.

Please find enclosed a revised Sampler page for the Lake Canyon Federal #1, recorder number #1644.

RECEIVED

SEP 01 1983

DIVISION OF  
OIL, GAS & MINING

DAVIS OIL  
DST#: 2  
LAKE CANYON FEDERAL #1  
6398-6425

Location: 12-37S-25E  
Test Type: BOTTOM HOLE CONVENTIONAL  
Formation: DESERT CREEK

Recorder Number: 1644  
Recorder Depth: 6420 ft.

SAMPLE DATA  
\*\*\*\*\*

SAMPLE CHAMBER:  
\*\*\*\*\*

Capacity of sample chamber	2000	cc
Volume of sample.....	2000	cc
Pressure in sampler.....	1800	psig
Where sampler was drained...	RIG FLOOR	

Sampler contained:  
1870 cc salt water ✓  
130 cc oil ✓

RESISTIVITY DATA:  
\*\*\*\*\*

Contractor Brinkerhoff Signal  
 Rig No. 76  
 Spot 555' FNL & 1232' FEL  
 Sec. 12  
 Twp. 37S  
 Rng. 25E  
 Field Wildcat  
 County San Juan  
 State Utah  
 Elevation 6340 ft  
 Formation Upper Ismay

Top Choke 1/4" x 6  
 Bottom Choke 1"  
 Size Hole 8 3/4"  
 Size Rat Hole --  
 Size & Wt. D. P. 4 1/2" XH 16.60  
 Size Wt. Pipe 6"  
 I. D. of D. C. 2 1/4"  
 Length of D. C. 525 ft  
 Total Depth 6236 ft  
 Interval Tested 6154-6236 ft  
 Type of Test Bottom Hole  
Conventional

Flow No. 1 30 Min.  
 Shut-in No. 1 58 Min.  
 Flow No. 2 90 Min.  
 Shut-in No. 2 180 Min.  
 Flow No. 3 -- Min.  
 Shut-in No. 3 -- Min.  
 Bottom Hole Temp. 126.9° F  
 Mud Weight 8.9  
 Gravity --  
 Viscosity 44

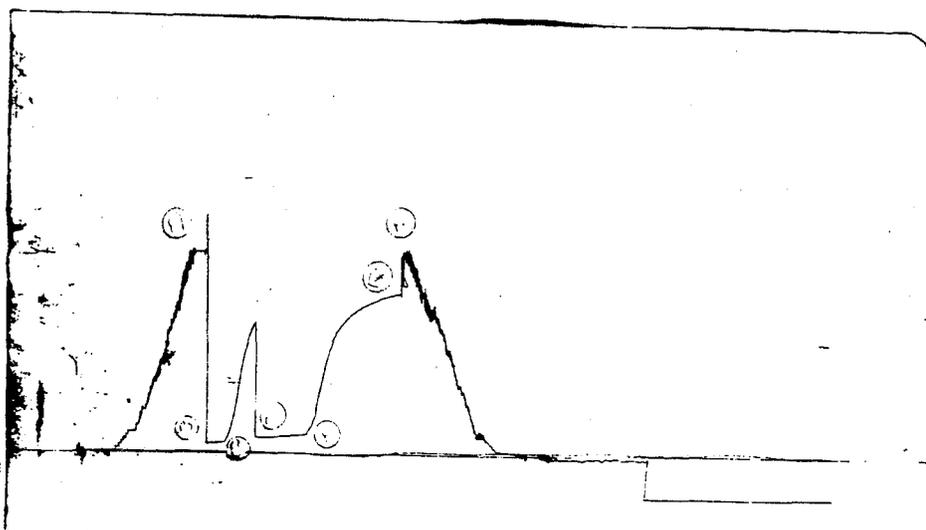
Tool opened @ 11:50 AM

Inside Recorder

PRD Make Kuster K-3  
 No. 24521 Cap. 6625 @ 6236

	Press	Corrected
Initial Hydrostatic	A	2831
Final Hydrostatic	K	2831
Initial Flow	B	149
Final Initial Flow	C	163
Initial Shut-in	D	1835
Second Initial Flow	E	240
Second Final Flow	F	275
Second Shut-in	G	2242
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist. Rock Springs, WY  
 Our Tester: Steve McKinney  
 Witnessed By: John Dietz



Did Well Flow - Gas -- Oil NO Water NO

RECOVERY IN PIPE: 500 ft Total Fluid = 2.68 bbls.  
 320 ft Drilling Fluid = 1.80 bbls.  
 180 ft Mud Cut Salt Water = 0.88 bbl.

Blow description

1st Flow: Opened tool with fair blow. 3 oz/sq inch in 10 min., 6 oz in 15 min., 8 oz in 20 min., 11 oz in 30 min.

2nd Flow: Opened tool with weak blow. 6 oz in 10 min., 7 oz in 20 min., 8 oz in 30 min., 9 oz in 50 min., 9 oz in 60 min., 10 oz in 70 min.

Comments: The test results indicate a mechanically successful test. The flow and shut-in curves indicate relatively low permeability within the zone tested. The initial and final shut-in curves were incremented but no accurate extrapolations could be performed due to insufficient curve development.

Operator Davis Oil Company  
 Address 410 17th Street, Suite 1400  
Denver, CO 80202

Well Name and No. Lake Canyon Federal #1  
 Ticket No. 00725  
 Date 8/19/83

DST No. 1  
 No. Final Copies 27

PRESSURE RECORDER NUMBER : 1637

DEPTH : 6226.00ft. LOCATION : OUTSIDE  
TYPE : DMR CAPACITY : 5000.00PSI

See Attached

PRESSURE  
PSI

A)Initial Hydro : 2846.0  
B)1st Flow Start: 123.0  
C)1st Flow End : 184.0  
D)END 1st Shutin: 1920.0  
E)2nd Flow Start: 240.0  
F)2nd Flow End : 284.0  
G)END 2nd Shutin: 2299.0  
K)Final Hydro. : 2843.0

TEST TIMES(MIN)

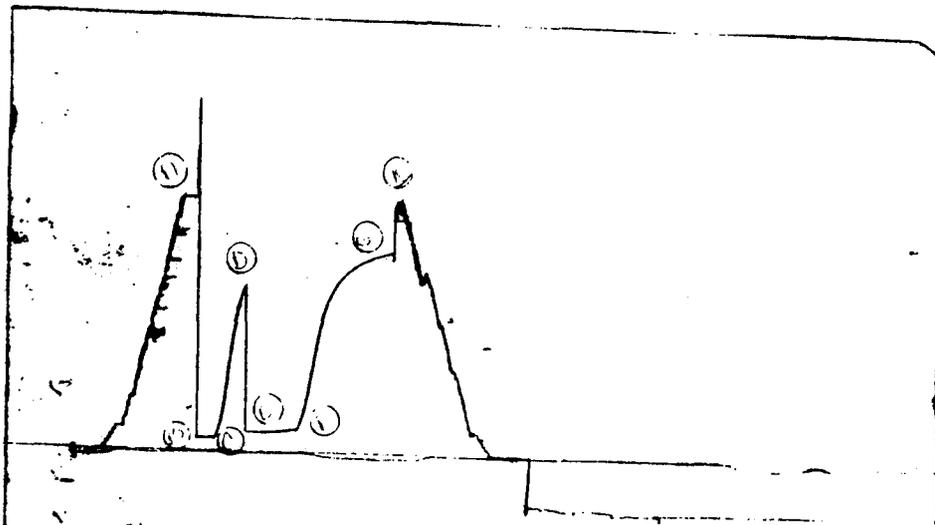
1st FLOW : 30  
SHUTIN: 58  
2nd FLOW : 90  
SHUTIN:180

PRESSURE RECORDER NUMBER : 18731

DEPTH : 6145.00ft. LOCATION : INSIDE  
TYPE : K-3 CAPACITY : 5125.00PSI

PRESSURE  
PSI

A)Initial Hydro : 2822.0  
B)1st Flow Start: 157.0  
C)1st Flow End : 162.0  
D)END 1st Shutin: 1863.0  
E)2nd Flow Start: 240.0  
F)2nd Flow End : 266.0  
G)END 2nd Shutin: 2247.0  
K)Final Hydro. : 2820.0



Location: 12-37S-25E  
Test Type: BOTTOM HOLE CONVENTIONAL  
Formation: UPPER ISMAY

Recorder Number: 1637  
Recorder Depth: 6226 ft.

SAMPLE DATA  
\*\*\*\*\*

SAMPLE CHAMBER:  
\*\*\*\*\*

Capacity of sample chamber	2000	cc
Volume of sample.....	2000	cc
Pressure in sampler.....	90	psig
Where sampler was drained...	RIG FLOOR	

Sampler contained:  
Water 2000 cc

RESISTIVITY DATA:  
\*\*\*\*\*

Top.....	1 @ 80F = 6 000 PPM NACL
Bottom.....	0.5 @ 80F = 11 000 PPM NACL
Sampler.....	0.2 @ 70F = 30 000 PPM NACL
Mud pit.....	1200 PPM NACL
Make-up Water...	

Contractor Brinkerhoff-Signal  
 Rig No. 76  
 Spot 555' FNL & 1232' FEL  
 Sec. 12  
 Twp. 37S  
 Rng. 25E  
 Field Wildcat  
 County San Juan  
 State Utah  
 Elevation 6340 ft  
 Formation Desert Creek

Top Choke 1/4 x 6"  
 Bottom Choke 1"  
 Size Hole 8 3/4"  
 Size Rat Hole --  
 Size & Wt. D. P. 4 1/2" XH  
 Size Wt. Pipe 6"  
 I. D. of D. C. 2 1/4"  
 Length of D. C. 495 ft  
 Total Depth 6425 ft  
 Interval Tested 6398-6425 ft  
 Type of Test Bottom Hole Conventional

Flow No. 1 30 Min.  
 Shut-in No. 1 60 Min.  
 Flow No. 2 120 Min.  
 Shut-in No. 2 240 Min.  
 Flow No. 3 -- Min.  
 Shut-in No. 3 -- Min.

Bottom Hole Temp. 138.6<sup>0</sup> F  
 Mud Weight 11.1  
 Gravity --  
 Viscosity 46

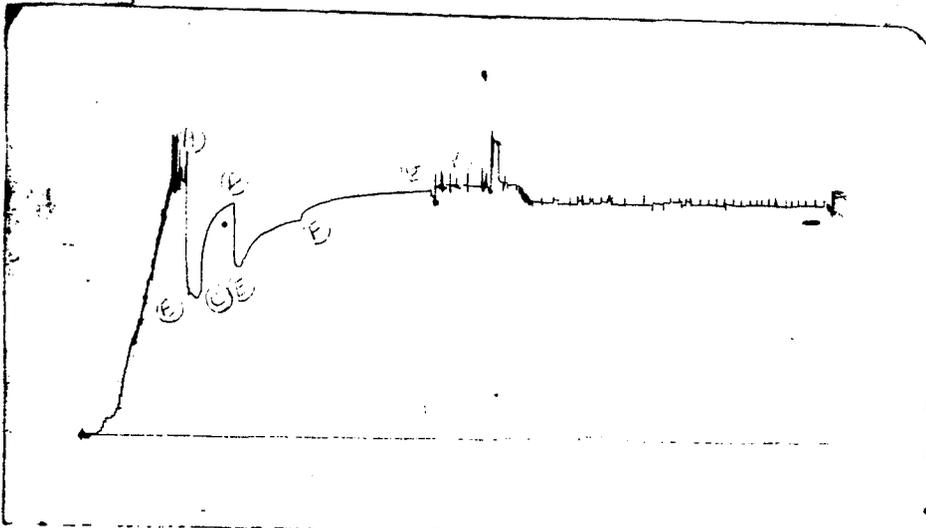
Tool opened @ 10:15 AM

Outside Recorder

PRD Make Kuster K-3  
 No. 24521 Cap. 6625 @ 6425

	Press	Corrected
Initial Hydrostatic	A	3613
Final Hydrostatic	K	3111
Initial Flow	B	1981
Final Initial Flow	C	2042
Initial Shut-in	D	3304
Second Initial Flow	E	2222
Second Final Flow	F	3075
Second Shut-in	G	3511
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist.: Rock Springs, WY  
 Our Tester: Steve McKinney  
 Witnessed By: John Dietz



Did Well Flow - Gas Yes Oil Yes Water Yes

RECOVERY IN PIPE: 5700 ft Total Fluid = 77 bbls.  
 563 ft Oil = 8 bbls.  
 5137 ft Salt Water = 69 bbls.

Blow Description

1st Flow: Opened tool with strong blow, 70 psi in 3 minutes, 130 psi in 5 minutes, gas to surface in 7 minutes on 1/4" choke (see Gas Volume Report).

2nd Flow: Gas to surface immediately (see Gas Volume Report).

Comments: The test results indicate a mechanically successful test. The flow and shut-in data indicates high permeability within the zone.

Operator Davis Oil Company  
 Address 410 17th Street, Suite 1400  
Denver, CO 80202

Well Name and No. Lake Canyon Federal #1  
 Ticket No. 00726

Date 8/21/83

DST No. 2  
 No. Final Copies 27

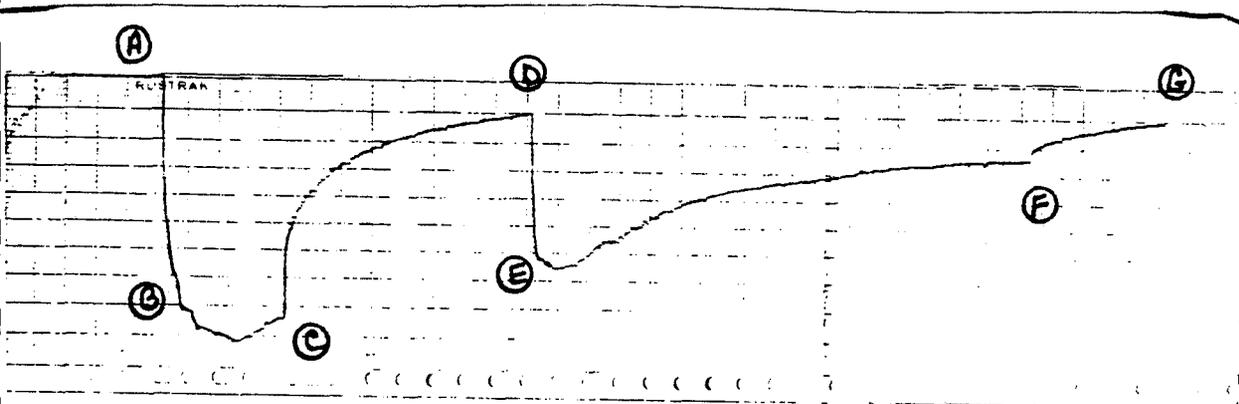
PRESSURE RECORDER NUMBER : 1644

DEPTH : 6420.00ft.  
 TYPE : DMR

LOCATION : OUTSIDE  
 CAPACITY : 5000.00PSI

PRESSURE  
 PSI

A)Initial Hydro : 3622.0  
 B)1st Flow Start : 2641.0  
 C)1st Flow End : 2072.0  
 D)END 1st Shutin : 3356.0  
 E)2nd Flow Start : 2493.0  
 F)2nd Flow End : 3108.0  
 G)END 2nd Shutin : 3541.0  
 K)Final Hydro. : 3621.0



TEST TIMES(MIN)  
 1st FLOW : 30  
 SHUTIN: 60  
 2nd FLOW : 120  
 SHUTIN: 240

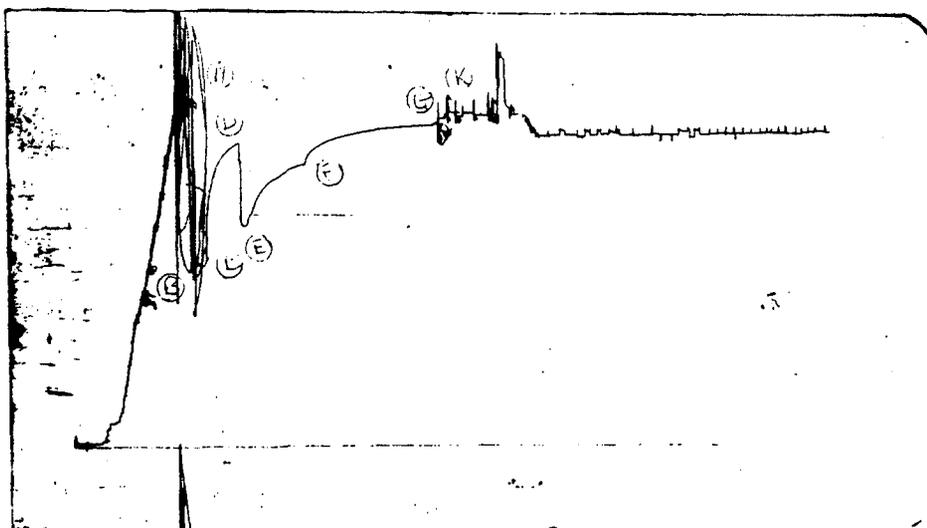
PRESSURE RECORDER NUMBER : 18731

DEPTH : 6383.00ft.  
 TYPE : K-3

LOCATION : INSIDE  
 CAPACITY : 5125.00PSI

PRESSURE  
 PSI

A)Initial Hydro : 3642.0  
 B)1st Flow Start : 1975.0  
 C)1st Flow End : 2049.0  
 D)END 1st Shutin : 3320.0  
 E)2nd Flow Start : 2198.0  
 F)2nd Flow End : 3076.0  
 G)END 2nd Shutin : 3502.0  
 K)Final Hydro. : 3640.0



# LYNES, INC.

## Gas Volume Report

Davis Oil Company  
Operator

Lake Canyon Federal #1  
Well Name and No.

2  
DST No.

Min.	PSIG	Orifice Size	MCF/D	Comments
10:22	190	1/4"	302	
10:25	200	1/4"	317	
10:30	220	1/4"	346	
10:35	230	1/4"	361	
10:40	220	1/4"	346	
10:45	200	1/4"	317	
				Shut in tool.
Open	190	1/4"	157	
11:50	110	1/4"	184	
11:55	110	1/4"	184	
				Drilling fluid to surface.
12:15	200	1/4"	317	
12:30	260	1/4"	405	
12:45	260	1/4"	405	
12:48				Oil and gas cut water to surface.
12:55	260	1/4"	405	
1:10	300	1/4"	464	
1:15	335	1/4"	515	
1:45	320	1/4"	493	
				Shut in tool,

Remarks:

RECEIVED  
OCT 14 1953

DIVISION OF  
OIL, GAS & MINING

DAVIS OIL COMPANY  
✓ Lake Canyon Federal #1  
Sec. 1, T37S, R25E  
San Juan County, Utah

Geologist: John Dietz

RESUME

OPERATOR: Davis Oil Company

WELL NAME & NUMBER: Lake Canyon Federal #1

LOCATION: Surface: 555' FNL, 1232' FEL, Sec. 12, T37S, R25E

Bottomhole: Approximately 626' FSL, 1380' FWL, Sec.  
1, T37S, R25E

COUNTY: San Juan

STATE: Utah

SPUD DATE: July 27, 1983

COMPLETION DATE (TD): August 23, 1983

ELEVATIONS: 6327' GL; 6340' KB

TOTAL DEPTH: 6491' LOGS; 6485' DRLR

CONTRACTOR: Brinkerhoff-Signal

RIG: #76

TYPE RIG: Triple

PUMPS: Gardner-Denver PZ-8; 8" stroke length, 6" liner

GEOLOGIST: John Dietz

ENGINEER: Leo Lewis

TOOL PUSHER: Gary Weisgerber; Dale Yeager

TYPE DRILLING MUD: Fresh-water chem-gel

MUD COMPANY: Magcobar

MUD ENGINEER: Steve Roberts

HOLE SIZES: 12-1/4" to 1903'; 8-3/4" to TD

CASING: 9-5/8" set at 1903'; production casing run to TD

MUD LOGGING BY: Tooke Engineering; Dennis and Corinne Springer

TYPE UNIT: Two-man unit with hotwire and chromatograph

CORE INTERVALS: None

DST DEPTHS: #1: 6154-6236; #2: 6398-6425

DST COMPANY: Lynes

ELECTRIC LOGS BY: Schlumberger

TYPE LOGS RUN WITH DEPTHS: DIL, BHC Sonic: TD-1903'

CNL-FDC: TD-4400'

Dipmeter: Bottom 550' of hole

EPT: TD-5950'

Repeat Formation Tester: In Desert  
Creek

LOGGING ENGINEER: Karl Schwarzenegger; George Bain

BOTTOM FORMATION: Akah

✓WELL STATUS: Casing run for oil production

## Summary

Davis Oil Lake Canyon Federal # 1 was drilled to a total depth of 6485' (driller), stopping in the Akah Formation. The primary geological objective was the Pennsylvanian Desert Creek Formation. Because of the difficulties posed by the surface topography, this hole was directionally drilled. Different combinations of stabilizers and drill collars were the means used to achieve the desired deviations and directions, along with using a Dyna-drill twice for more major course corrections. More detailed lithological descriptions than those found here are on the accompanying strip log. The "true vertical depths" mentioned are based on the calculations by Eastman Whipstock Co., from their directional surveys.

### Honaker Trail

The Pennsylvanian Honaker Trail was topped at approximately 4994', or at a true vertical depth of 4867'. There were some minor gas increases in the Honaker Trail, but there were essentially no significant shows until close to 6000', near the base of the formation. There, a gas increase occurred which apparently lagged back to 5996', although there was no obvious drill break there. Gas increased from a background of 8 units up to 416 units at 5996', down to 240 units briefly, and then up to 704 units total gas at 6000'. Background gas remained over 400 units for more than a day. The mud in the possum belly was frothy from being gas-cut, and some oil came up with the mud. The oil came up as specks in the mud, and continued to come up for more than a day. The amount of oil that came up was not enough to form a continuous layer of oil on top of the mud pits, although some small localized pools of oil did accumulate on the pits. There was no oil show in the samples associated with the gas kick. Sample inspection showed a Limestone, brn, tan, micxl-v f xln, silty with some grdg to sltst, p vis  $\phi$ , some fossiliferous, occ carb stain, no flor or cut. Nothing very obvious was shown on the logs in the area of the show-- there is perhaps evidence of fracturing at 6006', which could be the source of the oil and gas. Due to the lack of success with production from the Honaker Trail in this region, this show was not considered to merit immediate drill-stem testing. Background gas levels dropped off to below 100 units after a couple of days, before the mud weight was increased, and oil ceased coming up with the mud, indicating the zone was not an extensive reservoir.

### Ismay

The Upper Ismay was topped at 6102'. A drill break along with some show in the samples and an increase in gas was experienced in the lower part of the Upper Ismay. The break occurred at 6172-6182', with some feet drilling at a rate of  $1\frac{1}{2}$  min/ft, compared to approx. 4 min/ft before and after. Samples were a Limestone, tan-lt brn, micxl-v f xln, microsucrosic, p-fair interxl  $\phi$ , tr pinpoint  $\phi$ , dolomitic w/some grdg to dolomite, some good yellow fluorescence, some fair-good strmg cut, most with poor-fair cut only. Gas increased from 352 units background up to 624 units total gas. DST #1 was conducted from 6154' to 6236'. The test tool was opened with a weak blow, reaching a maximum pressure of 11 ounces on a  $\frac{1}{4}$ " surface choke. No flammable gas came to surface. Drill pipe recovery was 320' mud, 180' mud-cut water. Sampler recovery was 2000 cc water. Shut-in pressures were 1835 and 2242#. Logs also indicated this Ismay porosity zone to be wet. No gas or sample shows

were encountered in the Lower Ismay.

#### Desert Creek

The Desert Creek was penetrated at a depth of 6370', or at an approximate true vertical depth of 6202', which is 15' low to the Getty Lake Canyon Federal 12-1 well. The Desert Creek Porosity Zone was reached at an approximate true vertical depth of 6251', which is close to being even with the Getty well. The Upper Desert Creek anhydrite here was about 10' thinner than in the Getty well. In the porosity zone, the drill rate increased from 7 to 8 min/ft down to 1½ to 1 min/ft. Gas increased from approximately 30 units total up to 384 units total gas. Sample inspection found a Dolomite, lt-m brn, v f xln- f xln, fair-good interxl  $\phi$ , some pinpoint vugs, sl arg, with a trace of faint yellow fluorescence, tr brn stain, abundant dead oil stain, some poor streaming cut. DST #2 was conducted from 6398' - 6425', testing the top 11 feet of the porosity zone. Gas came to the surface after 7 minutes, burning a 10-15 foot flare. After 22 minutes of the final flow period, drilling fluid came to the surface. Slightly oil-cut salt water came to the surface 48 minutes into the final flow. The maximum surface pressure recorded was 335 psi, on a ¼ inch choke. Test recovery was approximately 563' oil, 5137' salt water, with these figures being estimated from the fluid levels in a test tank after reverse circulating the recovery out. Sampler recovery was approx. 6.5% oil, or 130 cc oil, and 1870 cc salt water. Some gas was in the sample chamber, however no means of measuring the amount of gas was available at the wellsite. The algal mound porosity zone was considerably thinner here than in the Getty #12-1 well.

After electric logs were run, Lear Petroleum took over as operator of the well, to further evaluate the Desert Creek Formation. A Repeat Formation Tester was used in the top few feet of the Desert Creek  $\phi$  zone, which unfortunately became stuck in the hole after a second fluid sample was taken. After a few days of fishing, the RFT tool was retrieved, and the samples were analyzed. An EPT tool (Electromagnetic Propagation Tool) was also run in the Desert Creek. After examining the pressure and sample data from the RFT, and the EPT log, a decision was made to run casing for oil production from the Desert Creek.

Formation Tops

All Tops From Electric Logs

Formation	Approx.			Getty Oil Company		Skelly Oil Company	
	Drilled Depth	True Vertical Depth	Datum to Sea Level	Depth	Datum	Depth	Datum
				Lake Canyon Federal 12-1 12-37S-25E San Juan Co., Utah KB: 6334		Lake Canyon #1 6-37S-26E San Juan Co., Utah KB: 6329	
				Lake Canyon Federal #1 1-37S 25E San Juan, Co., Utah KB: 6340, but changed to 6335 for this table*			
Honaker Trail	4994	4867	+1468	4864	+1470	4844	+1485
Upper Ismay	6102	5941	+ 394	5942	+ 392	5932	+ 397
Hovenweep Shale	6220	6057	+ 278	6036	+ 298	6012	+ 317
Lower Ismay	6294	6129	+ 206	6108	+ 226	6090	+ 239
Gothic Shale	6338	6172	+ 163	6162	+ 172	6144	+ 185
Desert Creek	6370	6202	+ 133	6186	+ 148	6178	+ 151
Desert Creek	6418	6251	+ 84	6248	+ 86	6250	+ 79
Porosity Zone							
Chimney Rock Shale	6443	6274	+ 61	6288	+ 46	6268	+ 61
Akah	6476	6306	+ 29	6320	+ 14	6298	+ 31

\*Note: The ground elevations of the Getty and Davis wells were listed as being five feet different; however, this table assumes there was a surveying error, and for better comparison, changes the KB of the Davis well to 6335, which is possibly incorrect.

### Chronology

1983 Date	8 a.m. Depth	Footage 24 hrs.	Activity
7/27	0		Spud at 1:15 p.m.; restore lost circulation; drilling
7/28	349	349	Drilling; repair pump; drilling
7/29	1274	925	Drilling; TOH to run casing
7/30	1903	629	Run 9-5/8" casing; cement casing; wait on cement
7/31	1903	0	Nipple up B.O.P.; drilling; TOH to pick up directional bottom-hole assembly (Dyna-Drill); orient directional tool; drilling
8/1	2171	268	Drilling, with frequent surveys; trip to change bottom-hole assembly; drilling
8/2	2591	420	Drilling; TOH to re-cement casing; drilling
8/3	2924	333	Drilling
8/4	3202	278	Drilling; TOH to pick up Dyna-Drill; drilling; TOH to change bottom-hole assembly
8/5	3372	170	Drilling
8/6	3738	366	Drilling; TOH part way to retrieve drill pipe wiper rubbers; drilling
8/7	4093	355	Drilling; trip for NB#8; drilling
8/8	4299	206	Drilling
8/9	4534	235	Drilling; trip to change bottom-hole assembly; drilling
8/10	4757	223	Drilling
8/11	4981	224	Drilling; trip out for hole in drill pipe; change bottom-hole assembly; drilling

1983 Date	8 a.m. Depth	Footage 24 hrs.	Activity
8/12	5110	129	Drilling; TOH to change bottom-hole assembly; drilling
8/13	5286	176	Drilling, frequent surveys
8/14	5493	207	Drilling; trip to change bottom-hole assembly; repair pump; drilling
8/15	5681	188	Drilling
8/16	5830	149	Drilling; trip to change bottom-hole assembly; trip in hole, ream to bottom; drilling
8/17	6020	190	Drilling; trip to change bottom-hole assembly
8/18	6120	100	Trip in hole, ream to bottom; drilling; circulate samples at 6175'; drill to 6206'; circulate, wait on orders; drill to 6236'; circulate and condition mud for test
8/19	6236	116	Conduct DST#1 6154 to 6236; TOH with test tool
8/20	6263	27	TIH, ream to bottom; drilling; circulate for DST
8/21	6425	162	Conduct DST#2 6398 to 6425'; wait on test tank to reverse out recovery; reverse sub plugged; pull 5 stands, wait on daylight to finish pulling drill pipe
8/22	6425	0	Reverse sub unplugged, reverse out recovery; break down test tools; drilling
8/23	6485	60	TD at 5 a.m.; circulate, TOH for E-logs; logging with Schlumberger
8/24	6485	0	TIH, circulate and wait on orders
8/25	6485	0	Circulate, wait on orders; operator changed to Lear Petroleum at 3:30 p.m.; mud conditioned for running logs

1983 Date	8 a.m. Depth	Footage 24 hrs.	Activity
8/26	6485	0	Logging with Schlumberger--repeat formation tester--tool stuck at 6420' at 8 a.m.; TIH, fish for tool and cable
8/27	6485	0	Fishing for tool; cable broken; fishing for cable with spear
8/28	6485	0	Fishing for cable--all cable down to tool retrieved after six fishing trips with spear; TIH with bit to condition mud; fish for tool with overshot
8/29	6485	0	First fishing trip unsuccessful; fish again with different overshot--unsuccessful; fish again with third overshot
8/30	6485	0	Fish retrieved at 2 a.m.; TIH, condition hole for logging run; logging with Schlumberger; circulate and wait on orders
8/31	6485	0	Wait on orders; decision made to run production casing



DAVIS OIL  
DST#: 2  
LAKE CANYON FEDERAL #1  
6398-6425

Location: 12-37S-25E  
Test Type: BOTTOM HOLE CONVENTIONAL  
Formation: DESERT CREEK

Recorder Number: 1644  
Recorder Depth: 6420 ft.

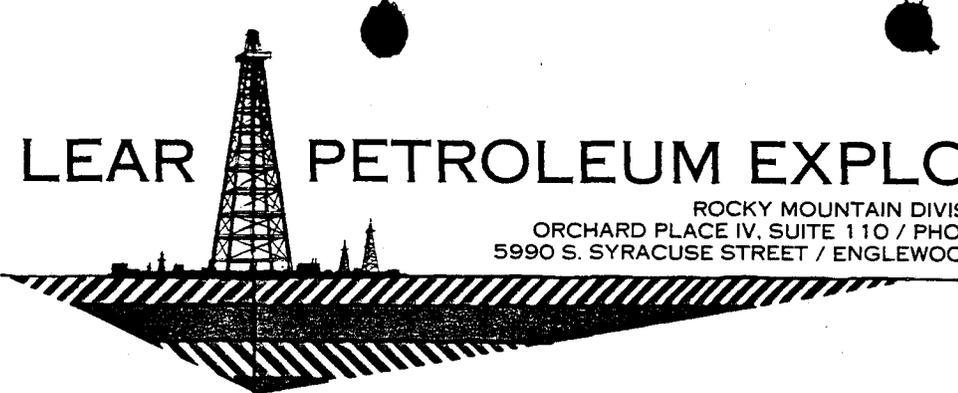
SAMPLE DATA  
\*\*\*\*\*

SAMPLE CHAMBER:  
\*\*\*\*\*

Capacity of sample chamber	2000	cc
Volume of sample.....	2000	cc
Pressure in sampler.....	1800	psig
Where sampler was drained...	RIG FLOOR	

Sampler contained:  
1870 cc salt water  
130 cc oil

RESISTIVITY DATA:  
\*\*\*\*\*



# LEAR PETROLEUM EXPLORATION, INC.

ROCKY MOUNTAIN DIVISION  
ORCHARD PLACE IV, SUITE 110 / PHONE 303/740-8212  
5990 S. SYRACUSE STREET / ENGLEWOOD, COLORADO 80111

December 9, 1983

United States Department of the Interior  
Bureau of Land Management  
Moab District  
PO Box 970  
Moab, Utah 84532

RECEIVED  
DEC 14 1983

## DIVISION OF OIL, GAS & MINING

RE: Lear Petroleum Exploration (Formerly  
operated by Davis Oil)  
Lake Canyon Federal #1 Well  
Sec 12-37S-25E  
San Juan County, Utah  
Lease #U-23160

Gentlemen:

Enclosed are Sundry Notice, Form 9-331, and Well Completion Report, Form 9-330, for the Lake Canyon Federal #1 Well, located in Section 12, Township 37 South, Range 25 East, San Juan County, Utah. Operations on this well were taken over at Total Depth by Lear Petroleum Exploration, Inc., from Davis Oil Company on August 25, 1983.

If you have not received the well logs, Drill Stem Test results, or any other needed information, please let me know. This location will be restored by Lear per your Conditions of Approval in the Spring and/or Summer of 1984, keeping in mind the protection of the artifacts located near the drillsite.

Sincerely,

LEAR PETROLEUM EXPLORATION, INC.



Marcia McCracken  
Operations Technician

cc: Garry L. Roggow  
Field Representative  
Davis Oil - Mills, Wyoming  
State of Utah

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 P&A

2. NAME OF OPERATOR (Formerly Davis Oil Company)  
LEAR PETROLEUM EXPLORATION, INC.

3. ADDRESS OF OPERATOR 5990 S. Syracuse St., #110  
Englewood, Colorado 80111

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 555' FNL, 1,232' FEL S12-37S-25E  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: 1,100' FEL, 660' FSL, S1-37S-25E

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

5. LEASE  
U-23160 ✓

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
N/A

7. UNIT AGREEMENT NAME  
N/A

8. FARM OR LEASE NAME  
Lake Canyon Federal

9. WELL NO.  
#1

10. FIELD OR WILDCAT NAME  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 12 & 1, T 37 S, R 25 E

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

14. API NO.  
43-037-30900

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
G.L. 6,327' K.B. 6,340'

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) \_\_\_\_\_

**RECEIVED**  
DEC 14 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.)\*

Davis Oil spudded well 5/31/83, drld 21 hrs to hold lease. Resumed drlg 7/23/83. Davis drld to 1,903' & set 48 jts 9-5/8" 36# K-55 LTC csg @ 1,902.02' w/720 sks cem. Continued to drill directional hole to TD 6,485'. Ran DST #1 from 6,154'-6,236'. Ran DST #2 from 6,398'-6,425'. Circ & ran logs at TD. At TD (6,485'), Lear Petroleum Exploration, Inc. took over operations @ 3:30 pm 8/25/83. Lear ran 160 jts 5-1/2" 17# & 20# L-80, N-80, and K-55 csg, set @ 6,484' w/284 sks cem. Rel drlg rig 10:30 am 9/2/83. Perfed 6,425'-26' & flow tested. Set CIBP @ 6,424'. Perfed 6,422'-6,417' & flow tested. Ran Temp & Tracer Survey & found communication between perfs @ 6,425'-26' and 6,417'-22'. Squeezed perfs 6,417'-22' w/25 sks Class "B" neat & swabbed well. Perfed 6,417'-6,420' & swabbed & flowed well. Per verbal orders from Assaud Raffoul @ 11:15 am 10/20/83, plugged well as follows: Set CIBP @ 6,400' w/15 sks cem on top. Perfed 1,900'-1,898' & squeezed 40 sks in annulus. Set plug in 5-1/2" from 1,900'-1,700', 10 sks in annulus, 15 sks in 5-1/2". Completion rig rel 10/22/83. Dry hole marker welded in place.

Subsurface Safety Valve: Manuf. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED Tony Koenig TITLE Drlg & Prod Engineer DATE December 12, 1983  
Tony Koenig

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

**ACCEPTED BY THE STATE**  
DATE: \_\_\_\_\_  
OF OIL DIVISION OF  
OIL, GAS, AND MINING  
DATE: 12/12/83  
BY: [Signature]

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

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R255.5.

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other P & A

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

2. NAME OF OPERATOR  
DAVIS OIL (Taken over by LEAR PETROLEUM EXPLORATION, INC.)

3. ADDRESS OF OPERATOR  
5990 S. Syracuse St., Suite 110, Englewood, Colo. 80111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 555' FNL, 1,232' FEL Sec 12, T 37 S, R 25 E NENE

At top prod. interval reported below

At total depth 1,100' FEL, 660' FSL, Sec 1, T 37 S, R 25 E SESE

14. PERMIT NO. 43-037-30900 DATE ISSUED 5/25/83

12. COUNTY OR PARISH San Juan 13. STATE Utah

15. DATE SPUNDED 5/31/83 16. DATE T.D. REACHED 8/24/83 17. DATE COMPL. (Ready to prod.) P&A 10/22/83 18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* G.L. 6,327' K.B. 6,340' 19. ELEV. CASINGHEAD --

20. TOTAL DEPTH, MD & TVD 6,485' 21. PLUG, BACK T.D., MD & TVD 6,400' 22. IF MULTIPLE COMPLETIONS, HOW MANY? -- 23. INTERVALS DRILLED BY Rotary 24. ROTARY TOOLS 10'-6,485' 25. CABLE TOOLS --

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 6,398'-6,425' 25. WAS DIRECTIONAL SURVEY MADE? yes

26. TYPE ELECTRIC AND OTHER LOGS RUN Schlumberger DIL, BHC, FDC, HDT, TVD, CNL 27. WAS WELL CORED? No

28. CASING RECORD (Report all string sections in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	1,902.02'		Cem w/720 sks	
5-1/2"	17# & 20#	6,484'		Cem w/284 sks	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

6,425'-26', 4 jspf  
6,422'-17', 4 jspf, 21 shots  
1,900'-1,898', 2 jspf

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<u>6,417'-22'</u>	<u>25 sks Class "B" Neat (Squeeze)</u>
<u>1,900'-1,898'</u>	<u>40 sks in annulus (squeeze)</u>

33.\* PRODUCTION

DATE FIRST PRODUCTION P & A 10/22/83 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) P & A WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

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

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

35. LIST OF ATTACHMENTS \_\_\_\_\_

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

SIGNED Tony Koening TITLE Drilg & Production Engineer DATE November 28, 1983

cc: State of Utah \*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

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

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

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

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

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

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

### 37. SUMMARY OF POROUS ZONES:

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Upper Ismay	6,154'	6,236'	<p><u>Dst #1</u></p> <p>IF 30 min                      ISI 58 min                      FF 90 min                      FSI 180 min</p> <p>IF 149#-163#                      ISI 1835#                      FF 240#-275#                      FSI 2242#                      HH 2831#-2831#                      Rec 320' drlg fluid, 180' MCSW</p>
Desert Creek	6,398'	6,425'	<p><u>DST #2</u></p> <p>IF 30 min                      ISI 60 min                      FF 120 min                      FSI 240 min      Rec 5137' SW, 563' oil</p> <p>IF 2037#-2064#                      ISI 3340#                      FF 2397#-3091#                      FSI 3534#                      HP 3644#-3618#</p>

### 38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Honaker Trail	4,895'	4,802' @ 4,926'
Upper Ismay	6,105'	5,945' (&395)
Hovenweep Shale	6,220'	
Lower Ismay	6,294'	
Gothic Shale	6,338'	
Desert Creek	6,370'	
D. C. Mound	6,418'	
Chimney Rock Sh	6,443'	
Akah	6,463'	
TD	6,485'	

RECEIVED

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

OCT 01 1984

SUNDRY NOTICES AND REPORTS ON WELLS  
DIVISION OF OIL AND GAS & MINING

(Do not use this form for proposals to drill or to deepen or plug back an oil or gas reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other P & A

2. NAME OF OPERATOR  
LEAR PETROLEUM EXPLORATION, INC.

3. ADDRESS OF OPERATOR City Center IV  
1801 California St., Suite 4800, Denver, CO 80202

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 555' FNL, 1,232' FEL 12-37S-25E  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: 1,100' FEL, 660' FSL 1-37S-25E

5. LEASE  
U-23160

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
N/A

7. UNIT AGREEMENT NAME  
N/A

8. FARM OR LEASE NAME  
Lake Canyon Federal

9. WELL NO.  
#1

10. FIELD OR WILDCAT NAME  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 12 & 1, T 37 S, R 25 E

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

14. API NO.  
43-037-30900

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
G.L. 6,327' K.B. 6,340'

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) Restoration of Location	<input type="checkbox"/>		<input 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 locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

This well was P & A 10/22/83 (See our Sundry Notice dated December 12, 1983).

All pits have been backfilled; the location and access road have been recontoured and rehabilitated to pre-drill condition. Half of our location was a previous Getty location, and that area has also been restored. Re-seeding of the entire area will be done yet this fall, hopefully in October, 1984.

cc: State of Utah ✓

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED Marcia McCracken Operations Technician DATE September 28, 1984

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY: