

~~WELL~~

Well Drilled Prior To Receiving Approval
From OBCC, & USGS.

FILE NOTATIONS

Entered in MID File
Location Map Filled
Card Indexed
.....

Checked by Chief *RWB*
Approval Letter *2-2-73*
Disapproval Letter

COMPLETION DATA:

Date Well Completed *1-31-73*
W..... WW..... TA.....
GW..... OS..... PA.....

Location Inspected
Bond released
State or Fee Land

LOGS FILED

Driller's Log.....
Electric Logs (C.B.)
..... I..... Dual 1 Est..... GR-N..... Micro.....
SNC Sonic GR..... Lat..... MI-L..... Sonic.....
CBLog..... CLog.....

ADA OIL COMPANY

HOUSTON, TEXAS 77001

6910 FANNIN, P. O. BOX 844
748-1266

December 21, 1972

OIL & GAS
DIVISION

*Sammy
Murphree
well file*

Placid Oil Company
1700 Broadway
Denver, Colorado 80202
Attention: Mr. James Murphree

Chorney Oil Company
P. O. Box 144
Casper, Wyoming 82601
Attention: Mr. Sam Boltz

Diamond Shamrock
P. O. Box 631
Amarillo, Texas 79105
Attention: Mr. Bill Killingsworth

Araphoe Drilling Company
P. O. Box 2078
Farmington, New Mexico 87401
Attention: Mr. Al Addington

Mr. James C. Goodwin
15200 West 26th Avenue
Golden, Colorado

Mr. Elliott Riggs
P. O. Box 711
Farmington, New Mexico 87401

Gentlemen:

The enclosed table indicates our intended information distribution on the Alkali Canyon well to be drilled in San Juan County, Utah. Should any of you have urgent requirements for more copies than are indicated here, I would appreciate your letting us know prior to the projected spud date of December 28.

Your copy of the location plat is enclosed.

Yours very truly,



Richard A. Wasteney
Exploration Manager

RAW/kw

Enclosures

cc: Mr. J. B. Lassiter, Jr.

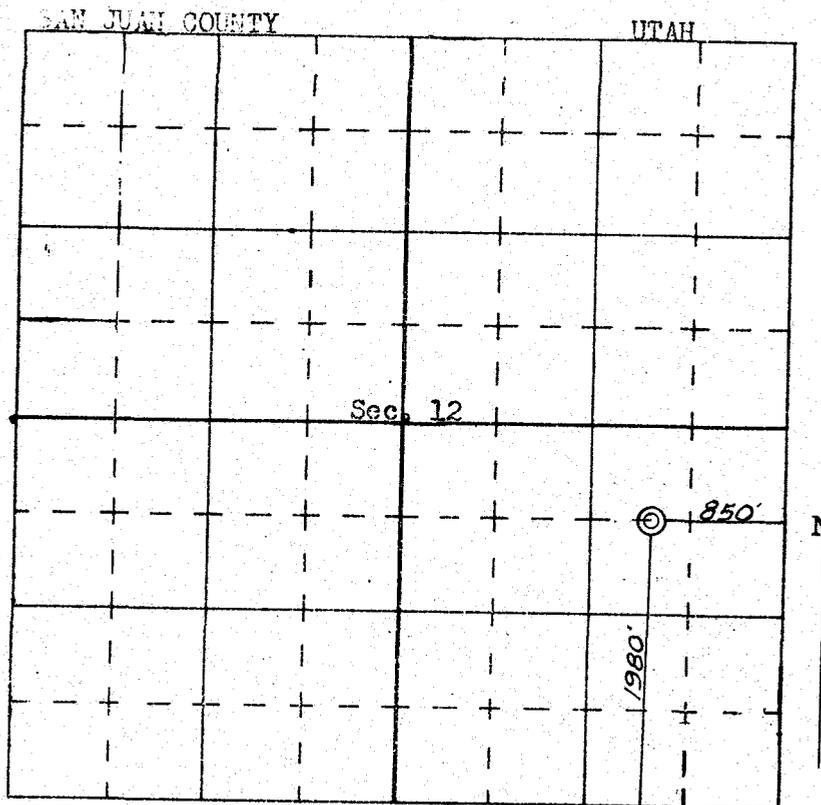
COMPANY ADA OIL COMPANY

LEASE GOVERNMENT FEDERAL WELL NO. 1

SEC. 12 T. 37 SOUTH R. 23 EAST, S.L.M.

LOCATION 1980 Feet from the South line and
850 Feet from the East line

ELEVATION 5948.0



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

James P. Leese
Registered Land Surveyor.

James P. Leese
Utah Reg. No. 1472

SURVEYED 21 November 1972

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

INFORMATION DISTRIBUTION

ADA GOODWIN FEDERAL #1
San Juan County, Utah

Location Plat	Telephone Daily Drilling Rpt.	Log Field Prints	Log Final Prints	Core Data	Sample Description	Drillers Log	Completion Forms	Sample Cut	KB Elevation	Notification Prior to Testing Shows
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Ada Oil Company
P. O. Box 844
Houston, Texas 77001
Office: 713-748-1266
Attention: J. B. Lassiter, Jr.
Home: 713-468-3574
R. A. Wasteney
Home: 713-462-6003

X	X	2	2	N.A.	X	X	X		X	X
---	---	---	---	------	---	---	---	--	---	---

James C. Goodwin
15200 West 26th Avenue
Golden, Colorado 80401
Phone: 303-279-2454

X	X	2	2	N.A.	2 copies	X	X		X	X
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Placid Oil Company
1700 Broadway
Denver, Colorado 80202
Office: 303-892-6190
Attention: James Murphree
Home: 303-986-1891

X	X	2	2	N.A.	2 copies	X	X	X	X	X
---	---	---	---	------	----------	---	---	---	---	---

Diamond Shamrock
P. O. Box 631
Amarillo, Texas 79105
Office: 806-376-4451
Attention: Bill Killingsworth
Home: 806-373-0015
OR Joe Rowell

X	X	2	3	N.A.	2 copies	X	X	X *	X	X
---	---	---	---	------	----------	---	---	-----	---	---

Chorney Oil Company
P. O. Box 144
Casper Wyoming 82601
Office: 307-234-4575
Attention: Sam Boltz
Home: 307-235-1041
OR Gene O'Brien
Home: 307-265-2007

X	X	2	3	N.A.	2 copies	X	X		X	X
---	---	---	---	------	----------	---	---	--	---	---

X = Yes or one copy

*Samples cut to be filed with Amstrat.

FLUID SAMPLE DATA		Date	10-3-74	Ticket Number	700987
Sampler Pressure	P.S.I.G. at Surface		Kind of Job	OPEN HOLE	Halliburton District
Recovery: Cu. Ft. Gas			Tester	MR. PFANNENSTIEL	Witness
cc. Oil			MR. HERCHER		
cc. Water			Drilling Contractor		
cc. Mud			STOEPPLEWERTH DRILLING COMPANY DR		
Tot. Liquid cc.			EQUIPMENT & HOLE DATA		
Gravity	* API @		*F.		
Gas/Oil Ratio	cu. ft./bbl.		Formation Tested	Reagan Sand	
	RESISTIVITY	CHLORIDE CONTENT	Elevation	3045' Ft.	
Recovery Water	@	*F.	Net Productive Interval	70' Ft.	
Recovery Mud	@	*F.	All Depths Measured From	Kelly Bushing	
Recovery Mud Filtrate	@	*F.	Total Depth	4530' Ft.	
Mud Pit Sample	@	*F.	Main Hole/Casing Size	7 7/8"	
Mud Pit Sample Filtrate	@	*F.	Drill Collar Length	64' I.D. 2.25"	
Mud Weight	9.8	vis	Drill Pipe Length	4529' I.D. 3.826"	
		42 cp	Packer Depth(s)	4398' -4402' Ft.	
			Depth Tester Valve	4395' Ft.	

Cushion	TYPE	AMOUNT	Depth Back Ft.	Surface Choke	Bottom Choke
			Pres. Valve	1/4"	3/4"

Recovered	65	Feet of	water cut mud
Recovered		Feet of	

Remarks Opened tool for 30 minute first flow with a weak blow, died in 29 minutes. Closed tool for 30 minute first closed in pressure. Reopened tool for 15 minute second flow with no blow. Closed tool for 45 minute second closed in pressure.

TEMPERATURE	Gauge No. 1375		Gauge No. 310		Gauge No.		TIME	
	Depth:	Ft.	Depth:	Ft.	Depth:	Ft.	Tool	A.M.
Est. *F.	12	Hour Clock	12	Hour Clock		Hour Clock	Opened	18:00 P.M.
	Blanked Off NO		Blanked Off YES		Blanked Off		Opened	A.M.
4505' Actual 140 *F.	Pressures		Pressures		Pressures		Bypass	19:15 P.M.
	Field	Office	Field	Office	Field	Office	Reported	Computed
Initial Hydrostatic	2241	2260		2317			Minutes	Minutes
First Period	Flow Initial	35	34	97				
	Flow Final	53	49	113				30
	Closed in	490	480	541				30
Second Period	Flow Initial	53	50	117				
	Flow Final	53	50	117				15
	Closed in	615	608	665				45
Third Period	Flow Initial							
	Flow Final							
Closed in								
Final Hydrostatic	2227	2238		2293				

Legal Location Sec. - Twp. - Rng. STATE
 Lease Name
 Well No. 1
 Test No. 1
 Tested Interval 4402-4530'
 Field Area WILD CAT
 County HAYES
 State NEBRASKA
 Lease Owner/Company Name HULLTARD OIL AND GAS CORPORATION

FORMATION TEST DATA

Gauge No. 1375			Depth 4404'			Clock No. 10858			12 hour		Ticket No. 700987				
First Flow Period		First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure			
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t+\theta}{\theta}$	PSIG Temp. Corr.
0	.000	34	.000		49	.000	50	.000		50					
1	.0345	39	.0190		131	.111	50	.0333		172*					
2	.0690	40	.0380		175			.0600		248					
3	.1035	43	.0570		216			.0867		311					
4	.1380	44	.0760		264			.1134		367					
5	.1725	47	.0950		300			.1401		416					
6	.2070	49	.1140		356			.1668		455					
7			.1330		394			.1935		494					
8			.1520		427			.2202		528					
9			.1710		455			.2469		559					
10			.1900		480			.2736		586					
11								.3000		608					
12															
13															
14															
15															

Gauge No. 310			Depth 4526'			Clock No. 7105			hour 12	
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t+\theta}{\theta}$	PSIG Temp. Corr.
0	.000	97	.000		113	.000	117	.000		117
1	.0337	107	.0194		190	.102	117	.0333		238*
2	.0674	110	.0388		233			.0600		309
3	.1011	113	.0582		279			.0867		370
4	.1348	113	.0776		325			.1134		426
5	.1685	113	.0970		363			.1401		472
6	.2020	113	.1164		414			.1668		512
7			.1358		454			.1935		550
8			.1552		489			.2202		583
9			.1746		514			.2469		614
10			.1940		541			.2736		641
11								.3000		665
12										
13										
14										
15										

Reading Interval	5		3				4			Minutes
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REMARKS: * First interval equal to 5 minutes.

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	5.75"	2.75"	12"	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4.5"	3.826"	4529'	
Drill Collars	6"	2.25"	64'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	64"	
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	60.21"	4395'
Multiple CIP Sampler				
Extension Joint				
AP Running Case				
Hydraulic Jar				
VR Safety Joint				
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.53"	54"	4398'
Distributor				
Packer Assembly	6.75"	1.53"	54"	4402'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	3.06"	49.63"	4404'
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars	6"	2.25"	92'	
Flush Joint Anchor	5"	3.24"	25'	
Blanked-Off B.T. Running Case	5"	2.44"	48.71'	4526'
Total Depth				

COPY to
Mr. Bob Henderson
Hunt Oil Co
Dallas

HILLIARD OIL & GAS, INC.
DRILLING & COMPLETION REPORT

OPERATOR: HILLIARD OIL & GAS, INC.
WELL: STATE #1
FIELD: WILDCAT
COUNTY: HAYES STATE: NEBRASKA
LOCATION: 660' FSL & 660' FWL, Sec. 16, T-7N, R-32W
CONTRACTOR: STOEPPELWERTH DRILLING, INC.

TD: 4535'
PBTD: _____
ELEV RKB: 3050'
GR: 3045'
SPACING: 5'

- 9-20-74 Staking location.
- 9-21-74 Staked location.
- 9-22-74 Building road & location.
- 9-23-74 Building road & location.
- 9-24-74 Finished road & location. Prep to MIRT.
- 9-25-74 Spudded well @ 6:00 PM, 9-24-74.
610' Sh.
Cmtg 15 jts of used 28#, 8-5/8" csg @ 610' w/325 sx 50-50 Pozmix, 2% gel,
2% CaCl.
- 9-26-74 1400' Sh.
No dev. surv.
Mud-wtr.
Bit #1 - 7-7/8" Hughes OSC3A, in @ 610'.
Drilled out below surface csg @ 9:00 PM 9-25-74.
- 9-27-74 2375' Sd.
No dev. surv.
Mud 9.0#, Vis 35.
Bit #1 - 7-7/8" Hughes OSC3A, in @ 610'.
Lost about 100 Bbls of mud.
- 9-28-74 2828' Sd & Sh.
Dev. 1/2" @ 2400'.
Mud 9.2#, Vis 33.
Bit #2 - 7-7/8" Hughes OSC3, in @ 2400'.
Bit #3 - 7-7/8" Hughes OSC3, in @ 2800'.
- 9-29-74 3187' Sh & Li.
No dev. surv.
Mud 9.3#, Vis 40.
Bit #3 - 7-7/8" Hughes OSC3, in @ 2800'.
Losing some mud. Not severe, but steady.
- 9-30-74 3538' Li & Sh.
Dev. 3/4" @ 3204'.
Mud 9.3#, Vis 36.
Bit #4 - 7-7/8" Hughes J-22, in @ 3204'.
- 10-01-74 3940' Li & Sh.
No dev. surv.
Mud 9.2#, Vis 33.
- 10-02-74 4340' Li & Sh.
No dev. surv.
Mud 9.7#, Vis 39, WL 10.1.
Bit #4 - 7-7/8" Security S88, in @ 3133'.

STATE #1

HILLIARD OIL & GAS, INC.

10-03-74 4535' Granite TD.

No dev. surv.

Mud 10.1#, Vis 47, WL 10.3.

Bit #4 - 7-7/8" Hughes J-22, out @ 4535'.

Running logs.

10-04-74 4535' Granite TD.

Ran IES & BHC Sonic Log. Log TD 4530'.

DST #1, 4407-4535' (128'). No wtr cushion. 30" IF, 30" ISI, 15" FF, 45" FSI.

Tool opened w/weak blow & died in 25 min. Tool re-opened w/no blow. Rec 65' SWCDM, no show of oil or gas.

IHP 2241#
IFP 35-53#
ISIP 490#

FFP 53-53#
FSIP 615#
FHP 2227#
BHP 140 F.

10-05-04 Plugged well as follows:

Set 45 sx cmt plug from 520' - 670'.

Set 5 sx cmt plug from 25' - 40'.

Well P & A @ 9:00 AM 10-4-74. Final Report.

*W. Smith, Placid Oil
Denver*

Copy to Bob Henderson - Rel. Trusts

GEOLOGIC REPORT

RESEARCH REPORT

Prepared for **Hilliard Oil & Gas Corp.**

Well **State**

Location **HILLIARD OIL & GAS CORPORATION**

State **W.V.**

Surface Location **R 5411**

Stratigraphic **1945 OR. 1947 A.L.**

Geologist **Richard T. Hercher**

Site **#1 HILLIARD STATE**

Surface Location **SW SW Sec. 16, T-7-N, R-32-W**

Hays County, Nebraska

Section of Oil **Granite Wash bed (light carbonate)**

Drill Stem Tests **Granite Wash was tested.**

Electrical Logs **Conductor logs 1945 and 1947**

Date Entered **6/20/71**

Date Completed **2/2/76**

Notes **Checked and corrected.**

Approved (Signature) **Richard T. Hercher**

**Richard T. Hercher
Consultant Geologist**

G E O L O G I C R E P O R T

for

HILLIARD OIL & GAS CORPORATION

#1 HILLIARD STATE

SW SW Sec. 16, T-7-N, R-32-W

Hays County, Nebraska



Richard T. Hercher
Consultant Geologist

GEOLOGIC REPORT

Company	Hilliard Oil and Gas Corp.
Well	#1 Hilliard State
Location	SW SW Sec. 16, 7N-32W Hays County, Neb.
Field	W.C.
Surface Casing	8 5/8" set at 614'
Elevation	3045 GR. 3050 K.B.
Contractor	Stoepfelwerth Drilling
Rig	Unit 15
Sample Program	30' samples 600' - 3500' 10' samples 3500' - T.D.
Shows of Oil	Granite Wash had slight asphaltic stain.
Drill Stem Tests	Granite Wash was tested.
Electrical Surveys	Schlumberger IES and BHC-GR
Date Commenced	8/23/74
Date Completed	9/4/74
Status	Plugged and abandoned.
Approved plugging data:	15 sax bottom surface, fill with heavy mud, 10 sax top surface pipe.

FORMATION TOPS

	<u>Sample</u>	<u>Log</u>
OREAD		3972
LANSING	4050	4071
BASE of K. C.	4250	4242
GRANITE WASH	4510	4504
GRANITE	4528	4520
T.D.	4535	4530

SAMPLE DESCRIPTION

3990-4020	Red to maroon shale, sandy textured.
20-30	Dense, chalky white to creamy limestone, trace sandstone, med. to coarse grain, dirty grey, no shows.
30-40	No sample.
40-60	Grey shale; lime as above.
60-70	Red to maroon shale; grey shale.
80-4100	Same; trace sandstone, med. grain, white, fair P&P, N.S.
4100-10	Red to maroon shale.
10-20	Shale as above; tan to cream lime, blocky, slightly siliceous, no porosity, N.S.
20-30	Limestone, light grey to white, hard, dense; red, sandy textured shale.
30-40	Same.
40-60	Same; trace sandstone, grey, silty, glauconitic, poorly sorted, med. to fine grain, low P&P, N.S.
60-70	Same.
70-80	Same; sandstone, clean, well sorted, rounded, med. grain.

SAMPLE DESCRIPTION (continued)

4180-90 Red, sandy textured shale; few clusters sand as above, N.S.

90-4220 Lime, creamy white, dense, platy; grey shale.

20-40 Lime, more blocky, dense, siliceous, no porosity.

40-50 Red to maroon shale; trace sandstone, med. grain, grey, hard, low P&P, subrounded, N.S.

50-60 Limestone, light grey, dense, no P&P, N.S.

60-70 Same; trace light purple, grey to lavender, limey shale.

70-80 Red to dark brown shale; limes as above, no porosity.

80-4320 Same.

4320-30 Same, one cluster sandstone, med. to coarse grain, subangular, poorly sorted, low P&P, N.S.

30-40 No sample.

40-50 Red shale and lime, platy, siliceous; few clusters sandstone, med. to coarse grain, white to light grey, rounded, poorly sorted, low P&P, N.S.

50-60 Limestone, white, platy, siliceous and crystalline, no P&P.

60-70 Brown to red shale; lime as above; traces pale green bentonite, no sand.

70-80 Red to brown shale.

80-4410 Chocolate brown shale.

4410-20 Shale as above, one cluster med. to coarse grain, angular to subrounded sand, light grey, pyrite inclusion, no stain or fluorescence; some free sand grains.

SAMPLE DESCRIPTION (continued)

4420-30 Red shale; lime, platy, siliceous, no porosity; trace lavender shale.

30-40 Same, few clusters fine grain, grey, silty sandstone, low P&P, N.S. 2 ft. drilling break 4427-29.

40-60 Grey to white, hard, siliceous lime; brown shale.

60-70 Lime as above; trace sandstone fine grain, light grey, low P&P, some clay filling, N.S.

70-80 Siliceous, platy lime as above, 2 clusters med. to coarse grain sandstone, poorly sorted, low P&P, no stain, no fluorescence. (Cherokee?)

80-4510 Same, one cluster of sand as above; one piece quartz with dark asphaltic stain.

4510-20 Shale and lime as above; few large quartz clusters, no stain, no porosity.

20-30 Granite wash, few pieces have dark asphaltic stain, will not fluoresce.

4535 Coarse grain quartzite with biotite inclusions.

DRILL STEM TEST

DST #1 4404-4530

TOOL Open 30 Min; shut in 30 Min.; open 15 Min.; shut in 45 Min.

BLOW Weak blow of air, died in 30 Min. - no blow second opening.

RECOVERY 65' slightly water cut drilling mud.

PRESSURES: IF 35# ISIP 490#
FF 53# PSIP 615#

DRILLING TIME RECORD

10' drilling time in minutes starts at 4000'.

4000-4100	26,24,30,15,30,28,29,27,31,19
-4200	21,35,38,38,37,40,49,31,30,32
-4300	28,23,32,45,36,9,8,20,30,38
-4400	39,37,38,41,57,32,34,47,49,59
-4500	47,43,36,51,28,45,31,25,35,30
-4535	35,41,68

BIT RECORD

	<u>Make</u>	<u>Type</u>	<u>Size</u>	<u>Depth</u>
1.	HTC	OSC-3AJ	7 7/8"	0 - 614
2.	HTC	OSC-3A	"	-2406
3.	HTC	OSC-3	"	-2828
4.	HTC	OSC-3	"	-3204
5.	HTC	J-22	"	-4535

WELL _____

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

	Well File	Hunt Dallas				
A. Location Plat						
B. Application for Permit to Drill						
1. State (Unapproved)**						
(Approved)						
2. Federal (Form 9-331-C)* (Unapproved)**						
(Approved)						
C. Geological Prognosis						
D. Electrical Logs						
1. Field Prints	✓					
2. Final Prints						
E. Core Analysis Reports						
F. Drill Stem Test Reports	✓	✓				
G. Geological Well Completion Report	✓	✓				
H. Other Geological Data (specify)						
1. Formation Test Data	✓	✓				
2. Special Pressure Data	✓	✓				
3. Geologic Report	✓	✓				
I. Abandonment Reports						
1. State Abandonment Reports (plugging and 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)			12/9/74	12/9/74		

*Applicable on wells drilled on U.S.A. leases.

**Applicable only on Placid Operated Wells.

December 26, 1972

Mr. Richard A. Wasteneys
Ada Oil Company
6910 Fannin
Houston, Texas 77001

Re: Alkali Canyon Well
San Juan County, Utah

Dear Mr. Wasteneys:

We received this date your table indicating information distribution relative to the above well.

We do not want a sample cut, requiring only that samples cut be filed with Amstrat.

Yours very truly,

PLACID OIL COMPANY

Donald F. Smith

DFS:skf

C
O
P
Y

Denver, Colorado

January 22, 1973

MEMO TO: Mrs. Linda Webb
Dallas Office

Re: Ada-Goodwin Federal #1
San Juan County, Utah
Section 12-T37S - R23E

Attached is daily drilling reports pertaining to the above captioned well. Placid is supporting this well with dry hole money and our contract with Ada Oil Company states that we are to receive daily drilling reports by telephone.

Ada has never given us reports on this well by phone and today we received these pages of typed reports. We contacted their office and starting tomorrow we should be receiving reports by phone.

Sorry for the delay on these reports.

(Miss) Sharon K. Fast

skf

Enclosure

C
O
P
Y

Ada-Goodwin Federal #1-6,500'
Alkali Canyon Prospect
San Juan County, Utah

Ada 75%

1972-B 18.75%
1972-C 56.25%

NEW LOCATION:

LOCATION: 1980' FSL 850' FEL, S12, T37S, R23E
San Juan County, Utah

CONTRACTOR: Arapahoe Drilling Co.
P. O. Box 2078
Farmington, New Mexico
Phone (505) 325-5018

OPERATOR:
Ada Oil Company

INTEREST:

12/28/72: Moved in small rig to spud and set surface casing. Should spud by tomorrow. (Weather is 6" to 7" snow with rain and could not get large rig in.) Will move large rig in after surface casing is set.

12/29/72: Spudded well, 3PM, 12/28/72. Made 21'

Spudded well and made 21' of 11" pilot hole. Plan to ream 17-1/4" in pilot hole and then set 13-3/8" surface casing at 150' (Heavy snow, 14"-15" at rig).

12/30/72: TD 45' (2 days) Made 24'
Shut down operations until latter part of this week. WO roads to clear up from heavy, soft snow. Plan on moving larger rig onto location to continue drlg later this week.

1/3/73: Down due to bad weather.

1/4/73: Still WO weather to permit work to commence.

1/5/73: Bad ice on highways and State Dept. will not issue permits under weather conditions to move large equipment on highways. Plan on loading everything for move-in Monday Morning, 1/8/73.

- 1/8/73: Rig is loaded out and truck is in process of moving to location. Main hiways are fair condition. Will have to use cat to pull rig up one hill on dirt road to location. Plan on RU and spud 1/9/73.
- 1/9/73: Rig is now 7 miles from location. Very heavy snow this morning & can't make it up a steep hill. Will try again tomorrow to reach location if weather permits.
- 1/10/73: Finished moving rig onto location. Have heavy snow with thick fog and over-cast. Weather is expected to clear this afternoon. Plan on spudding well today late.
- 1/11/73: Finished rigging up but got no further action due to bad weather, 11/10/73.
- 1/12/73: TD 176' (1 day) Made 176'
Reaming at 72'

Spudded well 1/11/72. Reaming hole from 11" to 17- $\frac{1}{4}$ " and will run 13- $\frac{3}{8}$ " surface casing.

Casing information:

1/12/73:

Ran 5 jts. 48#, 13- $\frac{3}{8}$ " csg,
Total of 161.43' set at 175 KBM.
Cmtd W/200 sks Class A w/3%
CaCl. Circ. approx. 15 bbls. cmt
Plugged down at 7PM 1/12/73.
Had good cmt returns.

1/13/73: TD 176 (2 days)
WOC

Will give casing setting records in tomorrows report, 1/16/73.

1/14/73: TD 772' (3 days) Made 596'
Milling on cone of bit

Drlg with Berix & water. Ran new bit & it failed. Lost 3 cones. Now milling on cone of bit.

Dev. Survey 772' -1/2°

1/15/73: TD 1880' (4 days) Made 1108'
Drlg ahead

Recovered cones from hole. Bit #5 now
in hole. Drlg with water and Berix. Drlg
at rate of 40'/hr. Drlg. ahead.

Dev. Survey: 1270' - $1\frac{1}{2}^{\circ}$
1770' - $3\frac{1}{4}^{\circ}$

1/16/72: TD 2521' (5 days) Made 641'
Drlg ahead

Drlg w/Benex & water at rate of 27'/hr.
Bit #6 now in hole. Drlg ahead.

Dev. Survey: 2271' - 2°

1/17/73: 3075' (6 days) Made 554'
Drlg ahead

Drlg with water and Benex. Drlg rate
25'/hr. Bit #7 now drlg ahead.

Dev. Survey: 2790' - $2\frac{1}{2}^{\circ}$
2912' - $2\frac{1}{2}^{\circ}$

1/18/73: TD 3480' (7 days) Made 405'
Drlg ahead

Drlg W/Benex & Wtr at rate of 20'/hr.
Bit #8 now in hole, drlg ahead.

1/19/73: TD 3799' (8 days) Made 319'
Drlg; ahead

Drlg with Benex & wtr. Bit #8 in hole
drlg ahead at 17' per hr.

Ada-Goodwin Federal #1
Alkali Canyon Prospect
San Juan County, Utah

NEW LOCATION:

LOCATION: 1980' FSL 850' FEL, S12, T37S, R23#
San Juan County, Utah

CONTRACTOR: Arapahoe Drilling Co.
P. O. Box 2078
Farmington, New Mexico
Phone (505) 325-5018

OPERATOR: Ada Oil Company

INTEREST:

12/28/72: Moved in small rig to spud and set surface casing. Should spud by tomorrow. (Weather is 6" to 7" snow with rain and could not get large rig in.) Will move large rig in after surface casing is set.

12/29/72: Spudded well, 3PM, 11/28/72. Made 21'

Spudded well and made 21' of 11" pilot hole. Plan to ream 17-1/4" in pilot hole and then set 13-3/8" surface casing at 150' (Heavy snow, 14"-15" at rig).

12/30/72: TD 45' (2 days) Made 24'
Shut down operations until latter part of this week. WO roads to clear up from heavy, soft snow. Plan on moving larger rig onto location to continue drlg later this week.

Ada-Goodwin Federal #1-6,500'
Alkali Canyon Prospect
San Juan County, Utah

Ada 75%

1972-B 18.75%
1972-C 56.25%

1/8/73: Rig is loaded out and truck is
in process of moving to location.
Main hiways are fair condition.
Will have to use cat to pull rig
up one hill on dirt road to
location. Plan on RU and spud
1/9/73.

January 24, 1973

Ada Oil Company
P. O. Box 844
Houston, Texas 77001

Re: Ada-Goodwin Federal #1
San Juan County, Utah

Gentlemen:

In order to complete our files pertaining to the above well, we will need two (2) copies of the Location Plat and Permit to Drill.

Also, when they are available, we would like two (2) copies each of Geological Report and all State or Governmental forms pertaining to the completion or plugging of the well.

Thank you for your cooperation in this matter.

Yours very truly,

PLACID OIL COMPANY

(Miss) Sharon K. Fast

skf

C
O
P
Y

Ada-Goodwin Federal #1-6500'
Alkali Canyon Prospect
San Juan, Utah

Ada 75%

1972-B 18.75%
1972-C 56.25%

1/20/72: TD 4253' (9 days) Made 454'
Drlg ahead

Drlg w/Benex & wtr. Bit #8 drlg ahead
@ 18'/hr.

Dev. Survey: 3859' - 1-3/4^o

1/21/73: TD 4632' (10 days) Made 379'
Drlg ahead

Drlg W/Benex & wtr. Bit #8 drlg ahead
@ 7'/hr.

Dev. Survey: 4293' - 1-3/4^o

1/22/73: TD 4979' (11 days) Made 347'
Drlg sd & sh

Drlg W/Benex & wtr. Bit #8 drlg ahead
@ 18'/hr.

Dev. Survey: 4800' - 2^o

ADA OIL CO.
Federal #1-6500
Wildcat
San Juan County, Utah
(Dry Hole Contribution)

WELL INDEX

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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

2. NAME OF OPERATOR
 ADA OIL COMPANY

3. ADDRESS OF OPERATOR
 P. O. BOX 844, HOUSTON, TEXAS 77001

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface
 1980' F.S.L., 850' F.E.L. SEC. 12, T-37S, R-23E
 At proposed prod. zone

5. LEASE DESIGNATION AND SERIAL NO.
 UTAH NO. 4545

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 FEDERAL

9. WELL NO.
 ADA NO. 1 GOODWIN

10. FIELD AND POOL, OR WILDCAT
 WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 SEC. 12, T-37S, R-23E

12. COUNTY OR PARISH
 SAN JUAN

13. STATE
 UTAH

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 36 MILES NORTH OF MONTEZUMA CREEK, UTAH

16. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 850'

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

19. NO. OF ACRES IN LEASE
 1,120

20. PROPOSED DEPTH
 6500'

17. NO. OF ACRES ASSIGNED TO THIS WELL
 80

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5948' GR

22. APPROX. DATE WORK WILL START*
 12-31-72

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/4"	13-3/8"	48#	175'	200 SX.
7-7/8"	4-1/2"	10.5#	6500'	350 SX.

WILL DRILL WITH ROTARY TOOLS TO TEST THE DESERT CREEK CARBONATES. WILL RUN D.S.T.'S ACROSS ANY POROUS ZONES IN THE DESERT CREEK IF WARRANTED BY SHOWS. IF PRODUCTIVE, WILL CEMENT 4-1/2" CASING AND PERFORATE AS NEEDED. LOGS, BORE HOLE COMPENSATED SONIC GAMMA RAY WITH CALIPER AND A DUAL INDUCTION LATERAL LOG.

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 William H. Hallcraft AGENT DATE JANUARY 30, 1973

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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
ADA OIL COMPANY

3. ADDRESS OF OPERATOR
P. O. BOX 844, HOUSTON, TEXAS 77001

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
1980' F.S.L., 850' F.E.L. SEC. 12, T-37S, R-23E
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
36 MILES NORTH OF MONTEZUMA CREEK, UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
850'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
6500'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5948' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/4"	13-3/8"	48#	175'	200 SX.
7-7/8"	4-1/2"	10.5#	6500'	350 SX.

5. LEASE DESIGNATION AND SERIAL NO.
UTAH NO. 4545

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
ADA NO. 1 GOODWIN FEDERAL

10. FIELD AND POOL, OR WILDCAT
WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 12, T-37S, R-23E

12. COUNTY OR PARISH
SAN JUAN

13. STATE
UTAH

16. NO. OF ACRES IN LEASE
1,120

17. NO. OF ACRES ASSIGNED TO THIS WELL
80

20. ROTARY OR CABLE TOOLS
ROTARY

22. APPROX. DATE WORK WILL START*
12-31-72

WILL DRILL WITH ROTARY TOOLS TO TEST THE DESERT CREEK CARBONATES. WILL RUN D.S.T.'S ACROSS ANY POROUS ZONES IN THE DESERT CREEK IF WARRANTED BY SHOWS. IF PRODUCTIVE, WILL CEMENT 4-1/2" CASING AND PERFORATE AS NEEDED. LOGS, BORE HOLE COMPENSATED SONIC GAMMA RAY WITH CALIPER AND A DUAL INDUCTION LATERAL LOG.

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 William H. Hallcraft TITLE AGENT DATE **JANUARY 30, 1973**

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

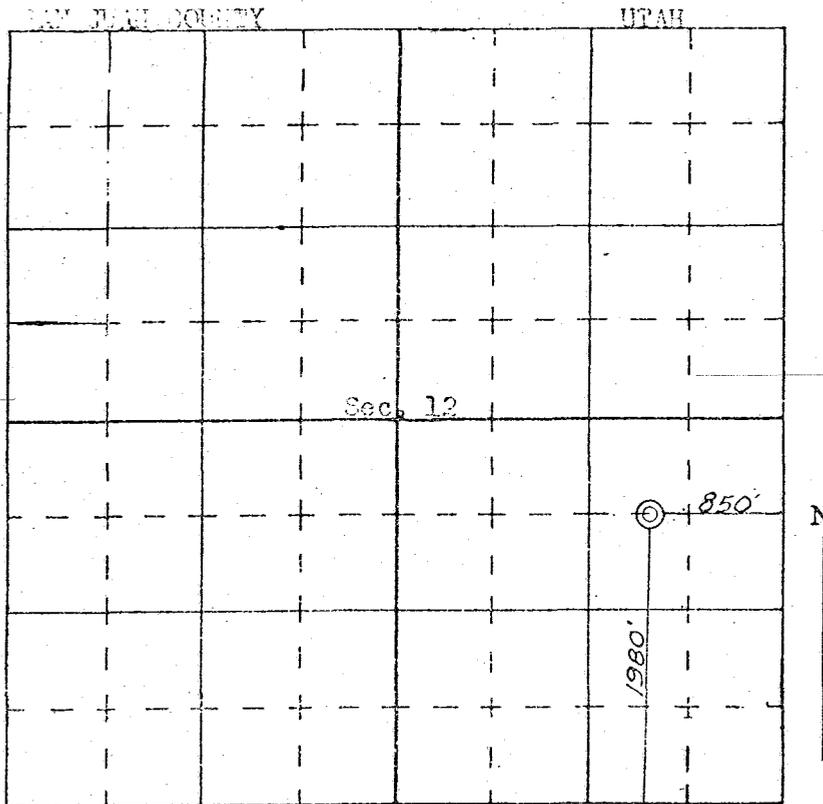
COMPANY ADA OIL COMPANY

LEASE GOODWIN FEDERAL WELL NO. 1

SEC. 12 T. 37 SOUTH R. 23 EAST, S.L.C.

LOCATION 1980 Feet from the South line and
850 Feet from the East line

ELEVATION 5944.0



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

James P. Loese

Registered Land Surveyor.

James P. Loese
Utah Reg. No. 1472

SEAL:

SURVEYED 21 November, 1972

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

at
RECEIVED
FEB 1 1973

DESIGNATION OF OPERATOR

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

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL No.: USA-U-4545

and hereby designates

NAME: ADA Oil Company
ADDRESS: P.O. Box 844, Houston, Texas 77001

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

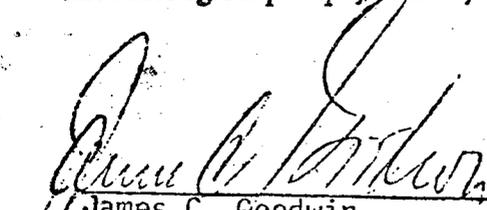
T 37 S - R 23 E, SLM San Juan, Utah
Sec. 12: W $\frac{1}{2}$, SE $\frac{1}{4}$
13: All

Containing 1120.00 acres, more or less

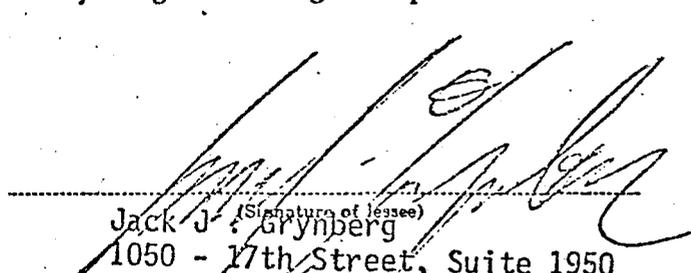
It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

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

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


James C. Goodwin
15200 W. 26th Avenue
Golden, Colorado 80401
JAN. 30, 1973

(Date)


Jack J. Grynberg
1050 - 17th Street, Suite 1950
Denver, Colorado 80202

(Address)

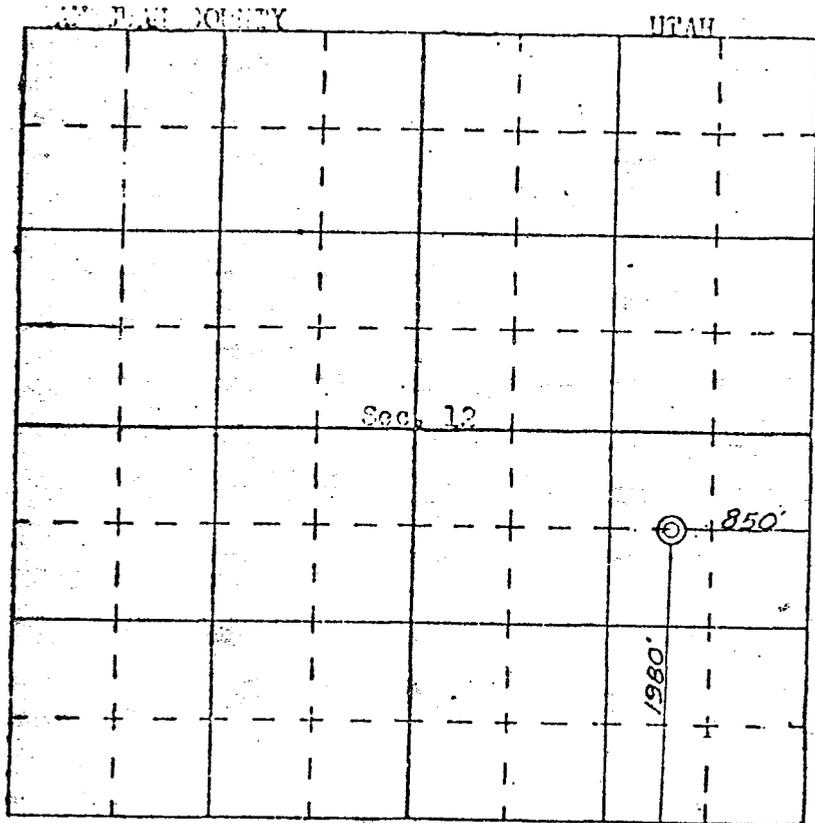
COMPANY ADA OIL COMPANY

LEASE GODDARD FEDERAL WELL NO. 1

SEC. 12, T. 37 SOUTH, R. 23 EAST, S.L.M.

LOCATION 1950 Feet from the South line and
850 Feet from the East line

ELEVATION 5040.0



SCALE—1 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

James F. Loess
Registered Land Surveyor.

James F. Loess
Utah Reg. No. 1472

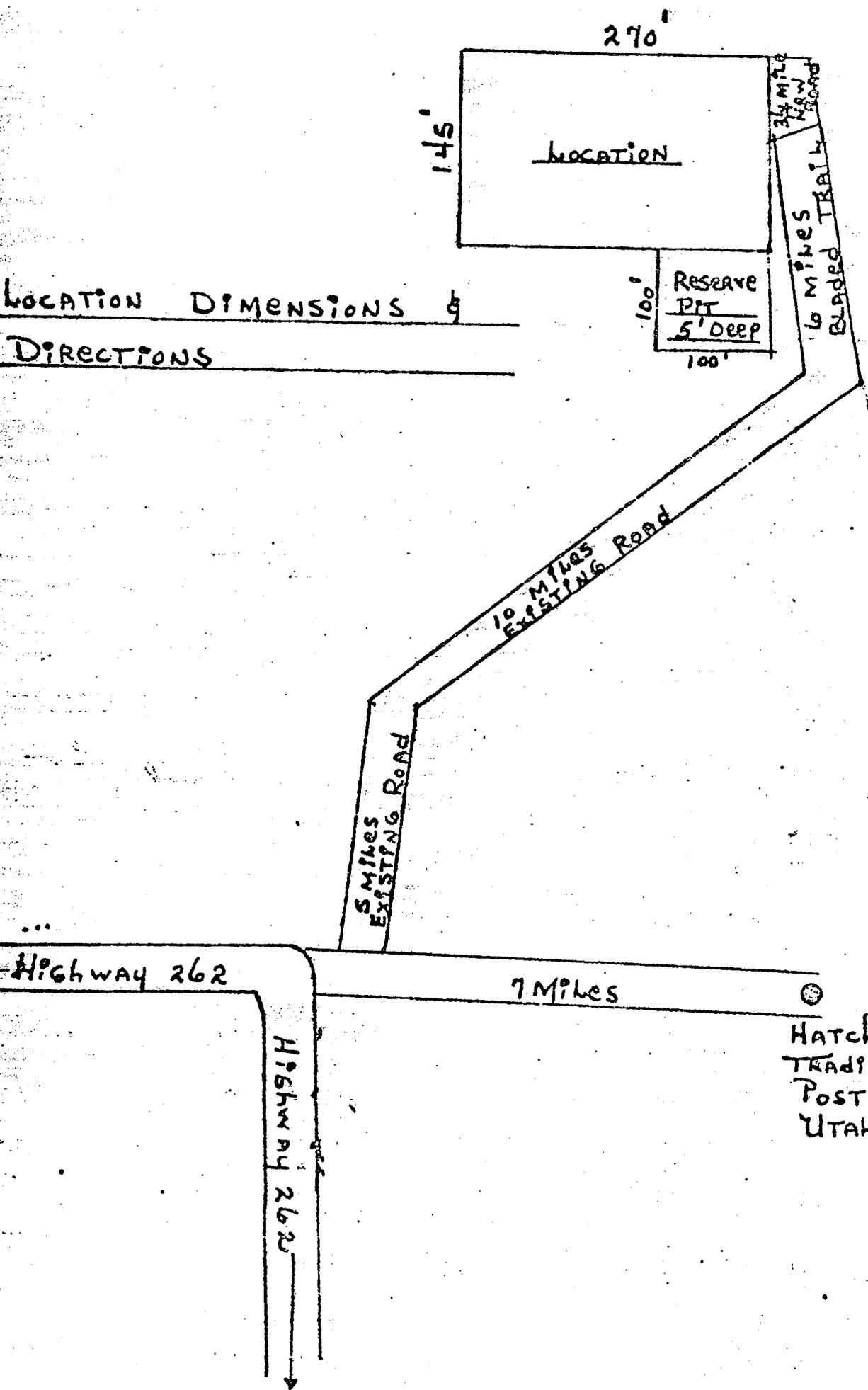
SEAL:

SURVEYED 21 November, 1972

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

Ada Noel Goodwin Federal
1980 F.S.L. 850' F.E.L.
Sec. 12, T-37S, R-23 E
SAN JUAN COUNTY, Utah

N



LOCATION DIMENSIONS &
DIRECTIONS

ADA OIL COMPANY
Federal #1-6500
Wildcat
San Juan County, Utah
(Dry Hole Contribution)

(1) Daily Progress Report

LOCATION:

NE/4 of SE/4 of Section 12, T37S,
R23E, San Juan County, Utah.

SPUDED 12-29-72.

PREVIOUS REPORTS CAN BE FOUND IN
WELL FILE.

1-19-73	(22)	TD 3799' (319') Benex and water. Bit #8 drilling.
1-20-73	(23)	No Report.
1-21-73	(24)	No Report.
1-22-73	(25)	TD 5240' (1441') Sand & shale. Mud 9.4, Vis 35. Bit #8 in hole. Shut down 2 hrs for repair. Now drilling ahead.
1-23-73	(26)	TD 5385' (145') Mud 9.2, Vis 32, WL 7.8. Bit #9 in hole.
1-24-73	(27)	No Report.
1-25-73	(28)	TD 5591' (306') Mud 9.1, Vis 32, WL 8.8, Cake 1/32. Bit #9 drilling.
1-26-73	(29)	TD 5787' (196') Mud 9.1, Vis 36, WL 7.6. Bit #9 drilling.
1-27-73	(30)	TD 5968' (181') Mud 9.2, Vis 35. Bit #9 drilling.
1-28-73	(31)	TD 6046' (78') Mud 9.2, Vis 35, WL 8.2, Bit #9 drilling.
1-29-73	(32)	TD 6337' (291') Totco @ 6275'-1½". Mud 9.5, Vis 36, WL 9.4, Bit #9 drilling.

ADA OIL COMPANY
Federal #1-6500
Wildcat
San Juan County, Utah
(Dry Hole Contribution)

(2)

Daily Progress Report

1-30-73	(33)	TD 6436' (99') Logging. Totco @ 6436'-1¼°.
1-31-73	(34)	TD 6436' (0') Ran DIL and FMD logs. Preparing to plug.
2-1-73	(35)	TD 6436' (0') Plug well from 6350'-6250' with 30 sx, from 6130'-6030' with 30 sx, 5050'-4950'-with 35 sx, 3170'-3070' with 30 sx, 2250'-2100' with 45 sx, 1330'-1230' with 30 sx. 175 sx across bottom of surface with 30 sx and 20 sx in top. FINAL REPORT. PLUGGED & ABANDONED.

Ada-Goodwin Federal #1-6,500'
Alkali Canyon Prospect
San Juan County, Utah

Ada 75%

1972-B 18.75%
1972-G 56.25%

NEW LOCATION:

LOCATION: 1980' FSL 850' FEL, S12, T37S, R23E
San Juan County, Utah

CONTRACTOR: Arapahoe Drilling Co.
P. O. Box 2078
Farmington, New Mexico
Phone (505) 325-5018

OPERATOR:
Ada Oil Company

INTEREST:

12/28/72: Moved in small rig to spud and set surface casing. Should spud by tomorrow. (Weather is 6" to 7" snow with rain and could not get large rig in.) Will move large rig in after surface casing is set.

12/29/72: Spudded well, 3PM, 12/28/72. Made 21'

Spudded well and made 21' of 11" pilot hole. Plan to ream 17-1/4" in pilot hole and then set 13-3/8" surface casing at 150' (Heavy snow, 14"-15" at rig).

12/30/72: TD 45' (2 days) Made 24'
Shut down operations until latter part of this week. WO roads to clear up from heavy, soft snow. Plan on moving larger rig onto location to continue drlg later this week.

1/3/73: Down due to bad weather.

1/4/73: Still WO weather to permit work to commence.

1/5/73: Bad ice on highways and State Dept. will not issue permits under weather conditions to move large equipment on highways. Plan on loading everything for move-in Monday Morning, 1/8/73.

- 1/8/73: Rig is loaded out and truck is in process of moving to location. Main hiways are fair condition. Will have to use cat to pull rig up one hill on dirt road to location. Plan on RU and spud 1/9/73.
- 1/9/73: Rig is now 7 miles from location. Very heavy snow this morning & can't make it up a steep hill. Will try again tomorrow to reach location if weather permits.
- 1/10/73: Finished moving rig onto location. Have heavy snow with thick fog and over-cast. Weather is expected to clear this afternoon. Plan on spudding well today late.
- 1/11/73: Finished rigging up but got no further action due to bad weather, 11/10/73.
- 1/12/73: TD 176' (1 day) Made 176'
Reaming at 72'
- Spudded well 1/11/72. Reaming hole from 11" to 17- $\frac{1}{4}$ " and will run 13- $\frac{3}{8}$ " surface casing.

Casing information:

1/12/73:

Ran 5 jts. 48#, 13- $\frac{3}{8}$ " csg,
Total of 161.43' set at 175 KBM.
Cmtd W/200 sks Class A w/3%
CaCl. Circ. approx. 15 bbls. cmt
Plugged down at 7PM 1/12/73.
Had good cmt returns.

1/13/73: TD 176 (2 days)
WOC

Will give casing setting records in tomorrows report, 1/16/73.

1/14/73: TD 772' (3 days) Made 596'
Milling on cone of bit

Drlg with Berix & water. Ran new bit & it failed. Lost 3 cones. Now milling on cone of bit.

Dev. Survey 772' -1/2°

#7

1/15/73: TD 1880' (4 days) Made 1108'
Drlg ahead.

Recovered cones from hole. Bit #5 now
in hole. Drlg with water and Berix. Drlg
at rate of 40'/hr. Drlg. ahead.

Dev. Survey: 1270' - $1\frac{1}{2}^{\circ}$
1770' - $3\frac{1}{4}^{\circ}$

1/16/72: TD 2521' (5 days) Made 641'
Drlg ahead

Drlg w/Benex & water at rate of 27'/hr.
Bit #6 now in hole. Drlg ahead.

Dev. Survey: 2271' - 2°

1/17/73: 3075' (6 days) Made 554'
Drlg ahead

Drlg with water and Benex. Drlg rate
25'/hr. Bit #7 now drlg ahead.

Dev. Survey: 2790' - $2\frac{1}{2}^{\circ}$
2912' - $2\frac{1}{2}^{\circ}$

1/18/73: TD 3480' (7 days) Made 405'
Drlg ahead

Drlg W/Benex & Wtr at rate of 20'/hr.
Bit #8 now in hole, drlg ahead.

1/19/73: TD 3799' (8 days) Made 319'
Drlg; ahead

Drlg with Benex & wtr. Bit #8 in hole
drlg ahead at 17' per hr.

ADA OIL CO.
Federal #1-6500
Wildcat
San Juan County, Utah

WELL SUMMARY

LOCATION: NE/4 of SE/4 of Section 12, T37S,
R23E, San Juan County, Utah

Elevation: K.B. 5960.5
D.F. 5959.5
G.L. 5948

TD Driller: 6436'

TD Logger: 6438'

Spudded: 12-29-72

Rig Released: 2-1-73

Completed As: PLUGGED & ABANDONED

Casing Record: 13-3/8" @ 175'

Tubing Record: None

Packer Record: None

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 "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER (ABANDONMENT)

2. NAME OF OPERATOR
ADA OIL COMPANY

3. ADDRESS OF OPERATOR
P. O. BOX 844 --- HOUSTON, TEXAS 77001

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1980' F.S.L., 850' F.E.L., SEC. 12, T-37S, R-23E

5. LEASE DESIGNATION AND SERIAL NO.
UTAH 4545

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
ADA NO. 1 GOODWIN FEDERAL

10. FIELD AND POOL, OR WILDCAT
WILDCAT

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
SEC. 12, T-37S, R-23E

12. COUNTY OR PARISH
SAN JUAN

13. STATE
UTAH

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5948' GR

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <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 checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <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.)*

THIS WELL WAS PLUGGED AND ABANDONED ON JANUARY 31, 1973 AS FOLLOWS:

PLUG NO.	CEMENT QUANTITY	FROM	TO	FEET
1	30 SX.	6250'	6350'	100
2	30 SX.	6030'	6130'	100
3	35 SX.	4950'	5050'	100
4	30 SX.	3070'	3170'	100
5	45 SX.	2100'	2250'	150
6	30 SX.	1230'	1330'	100
7	30 SX.	50' PLUG ACROSS SURFACE CASING SHOE @ 175'		
8	20 SX.	30' PLUG AT TOP OF SURFACE CASING		
TOTAL	250 SX.			

THIS LOCATION HAS BEEN INSPECTED BY THE U. S. GEOLOGICAL SURVEY AND BUREAU OF LAND MANAGEMENT. DUE TO ADVERSE WEATHER CONDITIONS THIS LOCATION WILL BE CLEANED-UP AT A LATER DATE.

(A DRY HOLE MARKER HAS BEEN INSTALLED)

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

SIGNED William H. Hallcraft AGENT DATE **2-1-73**

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

af
RECEIVED
FEB 1 1973

DESIGNATION OF OPERATOR

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

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL No.: USA-U-4545

and hereby designates

NAME: ADA Oil Company
ADDRESS: P.O. Box 844, Houston, Texas 77001

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

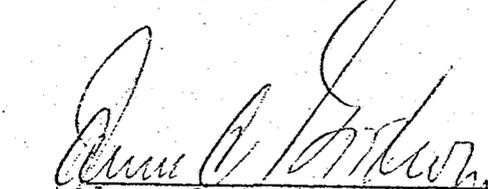
T 37 S - R 23 E, SLM San Juan, Utah
Sec. 12: W $\frac{1}{2}$, SE $\frac{1}{4}$
13: All

Containing 1120.00 acres, more or less

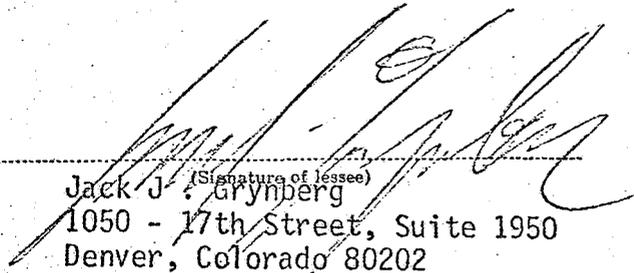
It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

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

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

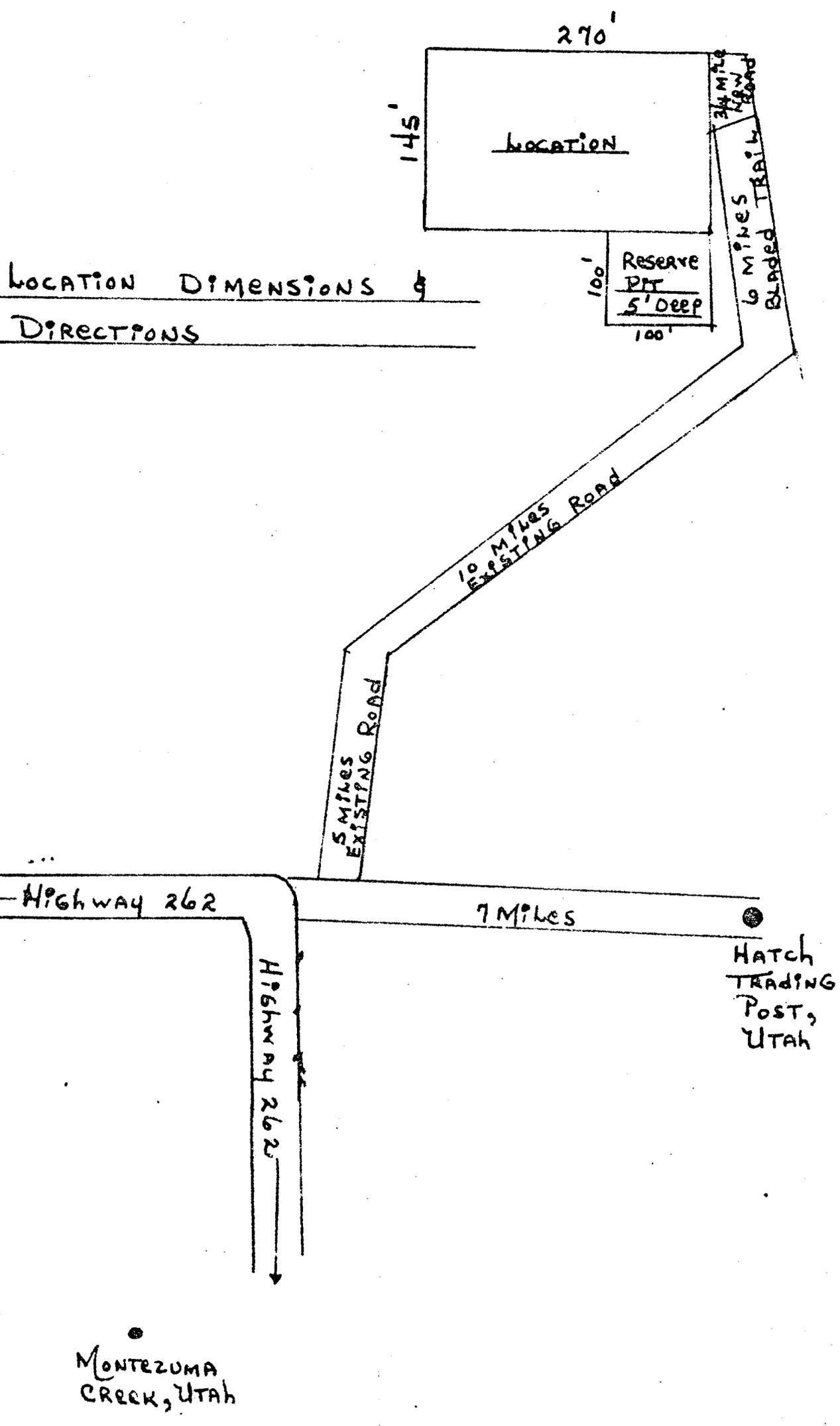
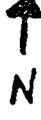

James C. Goodwin
15200 W. 26th Avenue
Golden, Colorado 80401
JAN. 30, 1973

(Date)


Jack J. Grynberg
1050 - 17th Street, Suite 1950
Denver, Colorado 80202

(Address)

ADA OIL COMPANY
ADA NOEL GOODWIN FEDERAL
1980' F.S.L. 850' F.E.L.
Sec 12, T-37 S, R-23 E
SAN JUAN COUNTY, UTAH



LOCATION DIMENSIONS &
DIRECTIONS

Denver, Colorado

February 1, 1973

MEMO TO: Mr. C. Dan Brown
Dallas Office

Re: Ada-Goodwin Federal #1
Ada Oil Company
Sec. 12-T37S-R23E
San Juan County, Utah

Enclosed is Dual Induction Laterolog and Compensated Neutron
Formation Density log pertaining to the above captioned well.

(Miss) Sharon K. Fast

skf

Enclosures - 2

C
O
P
Y

ADA OIL COMPANY

HOUSTON, TEXAS 77001

OIL & GAS
DIVISION

6910 FANNIN, P. O. BOX 844
748-1266

February 6, 1973

Placid Oil Company
1700 Broadway
Denve, Colorado 80401

Attn: Mr. James Murphee

Re: Ada No. 1 Goodwin Federal
San Juan County, Utah

Gentlemen:

Enclosed please find copies of Notice of Intention to Abandon and
Subsequent Report of Abandonment on the subject well.

If any further information is needed, please advise.

Yours truly,



Ray Graham *jm*
Production Clerk - Oil & Gas

RG/jm

Denver, Colorado

February 8, 1973

MEMO TO: Mr. C. Dan Brown
Dallas Office

Re: Ada-Goodwin Federal #1
Sec. 12-T37S-R23E
San Juan County, Utah

Enclosed are the following instruments pertaining to the above captioned well:

1. Application for permit to drill, deepen, or plug back.
2. Location plat.
3. Designation of Operator.
4. Location dimensions and directions.
5. Proposal to abandon.
6. Notice of abandonment.

(Miss) Sharon K. Fast

skf

Enclosures - 6

C
O
P
Y

Denver, Colorado

February 9, 1973

MEMO TO: Mr. C. Dan Brown
Dallas Office

Re: Ada-Goodwin Federal #1
Section 12-T37S-R23E
San Juan County, Utah

Attached are final prints of Dual Induction-Laterolog and
Compensated Neutron-Formation Density logs for your files.

(Miss) Sharon K. Fast

skf

Enclosures - 2

C
O
P
Y

Denver, Colorado

February 13, 1973

MEMO TO: Mr. C. Dan Brown
Dallas Office

Re: Ada-Goodwin Federal #1
Sec. 12-T37S-R23E
San Juan County, Utah

Attached is a Geological Report pertaining to the above
captioned well.

(Miss) Sharon K. Fast

skf

Attachment

C
O
P
Y

PLACID OIL COMPANY

INTER-COMPANY

CORRESPONDENCE

PLACE Dallas, Texas

DATE March 22, 1973

MEMO TO: Sharon K. Fast
Denver Office

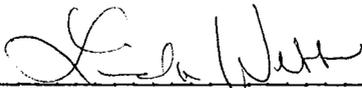
FROM: Linda Webb
Dallas Office-Geology

Hi!

Sharon, could you please send me a copy of the "Permit to Drill", to put in our well book, for the following:

ADA OIL COMPANY
Federal #1-6500
Wildcat
San Juan County, Utah
(Dry Hole Contribution)

Thank you.



(Mrs.) Linda Webb

lw

*Sent to Dallas
3/26/73*

skp

PLACID OIL COMPANY

INTER-COMPANY

CORRESPONDENCE

PLACE Dallas, Texas

DATE April 5, 1973

MEMO TO: Denver Office

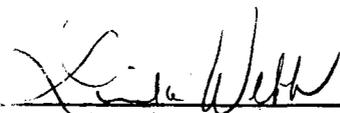
FROM: Dallas Office

Attached please find the Well Completion book for the following:

CHANDLER & ASSOC., INC.
Smokey Hill State 4-22
Arapahoe, County, Colorado

✓ ADA OIL COMPANY
Federal #1-6500
San Juan County, Utah

Thank you.



(Mrs.) Linda Webb
Geology

WELL COMPLETION OR RE-COMPLETION REPORT

1- Ret Tr file
Well file
Instructions: Within thirty days following the completion or re-completion of any well, the owner or operator shall submit this form in duplicate for wells on patented or Federal lands, and in triplicate for wells on State lands. Geological information will be held confidential for a period of twelve months if requested in writing. If multiple completion, submit separate report for each completion.

DESIGNATE TYPE OF COMPLETION

New Well Work-Over Deepen Plug Back Same Reservoir
Different Reservoir Oil Gas Unsuccessful

DESCRIPTION OF WELL AND LEASE

Operator
Stoepelwerth Drilling Inc., and Hilliard Oil & Gas, Inc.

Address
2005 Norris Avenue, McCook, Nebraska 69001

Well No. 1 Lease Name State Wildcat Field and Reservoir (If wildcat, so state)

Location
SW/4 SW/4 Sec. 16 Twp. 7N Range 32W County Hayes

Footage Location
660 feet from XX (S) line, 660 feet from XX (W) line, of Southwest 1/4

Spud Date 9-24-74 Date reached T.D. 10-2-74 Date Completed P & A 10-4-74 Elevation 3045 Reference (indicate) (KB), (GL), (DF)

Total Depth 4535 P.B.T.D. surface Single or multiple completion dryhole Was well directionally drilled? No

Producing interval(s) for this completion Dryhole Type of logs run in well IES, BHC-Sonic

Rotary tools used (interval) 0 - 4535' Cable tools used (interval) - Principal Contractor Stoepelwerth Drilling, Inc.

CASING RECORD

Report all strings set—surface, intermediate, production, etc.

Purpose of String	Size hole drilled	Size casing set (in. O.D.)	Weight lbs/ft.	Setting Depth	Sacks Cement
surface	11"	8-5/8"	28#	610'	325

LINER RECORD

PERFORATION RECORD

Top, ft. Bottom, ft. Sacks Cement Shots per Ft. Size & Type Depth Interval
None None

TUBING RECORD

Size Setting Depth Packer set at
None

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and Kind of Material Used	Depth Interval Treated
Set 45 sx cement plug from 520' - 670'	
Set 5 sx cement plug from 25' - 40'	

INITIAL PRODUCTION

Date of first production P & A 10-4-74 Producing method (flowing, pumping, gas lift, etc.)

RATE OF PRODUCTION PER 24 HOURS Oil bbls. Gas MCF Water bbls. Gas-oil ratio CFPB

Disposition of gas (vented, used on lease or sold) Oil Purchaser

I/We hereby swear or affirm that the statements herein made are complete and correct.

Daniel K. Ramsey
Signature
Manager of Operations
Title

(If new well, complete well log on reverse side of form)

11-13-74
Date

WELL LOG

Show important formations penetrated, with tops. Detail all cores. Report all drill stem tests, giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, fluid recovery and flow rate if gas to surface during test. Attach copy of log.

FORMATION TOPS

<u>Formation</u>	<u>Log Top</u>
Oread	3972'
Lansing	4071'
Base of K.C.	4242'
Granite Wash	4504'
Granite	4520'

DRILL STEM TESTS

DST #1 (Reagan Sand) 4402-4530' (135' interval). No wtr cushion. 3/4" bottom choke, 1/4" top choke. 30" IF, 30" ISI, 15" FF, 45" FSI. Tool opened w/weak blow & died in 29 min. Tool re-opened w/no blow. No gas to surface. Recovered 65' water cut mud.

IHP	2260#	FFP	50 - 50#
IFP	34 - 49#	FSIP	608#
ISIP	480#	FHP	2238#
		BHT	140 deg. F.

Proposed TD: 4550'

State #1 Skunk Creek
Williard Oil and Gas, Inc. - Operator
660' FSL, 660' FWL (Elev. 3045' GR)
Sec. 16-7N-32W
Hayes County, Nebraska

SPUDDED SEPTEMBER 24, 1974 at 6 p.m.

Sept. 25, 1974:

At 610' shale, cemented 15 joints of used 28# 8 5/8" casing; set at 610' w/325 sx. of 50-50 pozmix--2% gel, 2% calc. chl.

Sept. 26, 1974:

At 1400' shale, drilling w/water; drilled out below surface casing at 9 p.m., Sept. 25, 1974.

Sept. 27, 1974:

At 2375' sand, no deviation; Mud wt. 9; Viscosity 35. Lost about 100 bbls. mud.

Sept. 28, 1974:

At 2828' sand and shale, 1/2° deviation at 2400', Md. wt. 9.2, Viscosity 33.

Sept. 29, 1974:

At 3187' sand and limestone; Md. wt. 9.3, Viscosity 40. Losing some mud; not severe but steady.

Sept. 30, 1974:

At 3538' limestone and shale; 3/4° deviation at 3204', Md. wt. 9.3, Viscosity 36.

Oct. 1, 1974:

At 3940' limestone and shale; no deviation, Md. wt. 9.2, Viscosity 33.

Oct. 2, 1974:

At 4340' limestone and shale; Md. wt. 9.7, Viscosity 39, Water Loss 10.1.

Oct. 3, 1974:

4535' granite TD - Md. wt. 10.1, Viscosity 47, Water loss 10.3 - running logs. Report from wellsite geologist is that TD is 4530' in granite - top of granite wash by logs 4504' (-1446'). No drilling breaks in sand or granite wash. Best porosity from 4514-4518' 7%. 15' high to Harrison well in Sec. 17-17N-33W. Prep. to DST interval of granite wash.

Oct. 4, 1974:

At granite TD 4535'. Ran IES and BHS Sonic Logs. Logging TD 4530'.

DST #1: 4407-4535' 128' - No water cushion

30 min. IF

30 min. ISI

15 min. FF

45 min. FS

Tool open w/weak blow and died in 25 min. Tool re-opened w/no blow. Recovered 65' of slightly water cut drilling mud. N/S of oil or gas.

IH 2241

FH 2227

IF 35-53

FF 53-55

ISI 490½

FSI 615

BHT 140° F.

Plugged and abandoned.

FINAL REPORT.

GEOLOGICAL FIELD SHEET

STATE & COUNTY San Juan County, Utah ELEV. _____
 OPERATOR Ada Oil Company
 FEE OWNER Ada-Goodwin Federal #1
 LOCATION NESE 1980' FSL 850' FEL SURVEY 12-37S-23E
 SEC.-TWP.-RNG. _____
 Contractor: Arapahoe Drilling Co.
Desert Creek test (6500')

BEG.: _____ COMP.: _____
CASING RECORD **COMPLETION RECORD**

5 jts. 48#, 13-3/8"

SAMPLE

TOPS

SCHLUMBERGER

<u>Ismay</u>	<u>6095'</u>
<u>Desert Creek</u>	<u>6310'</u>

MISCELLANEOUS INFORMATION

For drilling information prior to this date, see well file.
 1/23/73: 5240' drilling sand & shale. MW 9.4, Vis 35, FC 2/32. Bit #8 still in hole. Shut down two hours to pack swivel. Now drilling ahead.
 1/24/73: 5385' Drilling, Bit #9, Vis 32, MW 9.2, WL 7.8.
 1/25/73: 5591' Drilling w/bit #9. MW 9.1, Vis 32, WL 8.8, FC 1/32. Drilling 9' per hr.
 1/26/73: 5787' Drilling. MW 9.1, Vis 36, WL 7.6. Bit #9 drilling 7' per hour.
 1/27/73: 5968' Drilling @ 8'/hr. Vis 35, WL 9.2, Bit #9 in hole.
 1/28/73: 6146' Drilling @ 8'/hr.. Bit #9 still in hole. Vis 35, MW 9.3, WL 8.2.
 1/29/73: 6337' Drilling. 8'/hr. Vis 36, MW 9.5, WL 9.4. Bit #9 in hole. Dev. 1 1/2° @ 6275'. Should bottom tonight @ 6480'.
 1/30/73: 6438' Logging. Made 99' Survey @ 6436 - 1 1/4°.
 2/5/73: TD 6438'. Plugged & Abandoned 1/31/73.

(Over)

FORM 511-SCOUT REPORT

ELLIOTT A. RIGGS

Petroleum Geologist

GEOLOGICAL REPORT

of

ADA OIL COMPANY #1 GOODWIN FEDERAL

Sec 12, T37S, R23E
San Juan Co., Utah

Prepared For

ADA OIL COMPANY
6910 Fannin St.
P. O. Box 844
Houston, Texas 77001

by

Elliott A. Riggs
P. O. Box 711
Petroleum Club Plaza Bldg.
Farmington, New Mexico 87401
January 31, 1973

ELLIOTT A. RIGGS

Petroleum Geologist

GEOLOGICAL REPORT

of

COMPANY #1 GOODWIN FEDERAL

Sec 12, T37S, R23E
San Juan Co., Utah

W.C.L. DATA

Location: 1980' FSL & 850' FEL, Sec 12, T37S, R23E, San Juan Co., Utah

Elevation: KB 5960.5
DF 5959.5
GL 5948.0

Depths: All depths measured from KB

Commenced: January 11, 1973

Hole Sizes: 17 1/4" to 176'
7 7/8" to 6436'

Casing Record: 13 3/8" to 175'

Cores: None

Drill Stem Tests: None

Total Depth: Driller 6436'
Schlumberger 6438'

Logs: Schlumberger: Dual Induction Lateral log
Compensated Neutron-FM Density

Geologist: Sample log
Drilling time log

Quality of Samples: Generally fair after mudding up at 5070'

Disposition of Spls: Four Corners Sample Cut
641 West Broadway
Farmington, New Mexico 87401

Hole Difficulties: None

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Petroleum Geologist

Water Flows: None

Lost Circulation: None

Gas Flows: None

Oil Flows: None

Plugging Record: P & A by Halliburton, January 31, 1973
Approval to plug and abandon for the operator and contributors was given by Mr. Richard Winborn, January 30, 1973, as well as by the U. S. Geological Survey, Durango, Colorado and the Utah Oil & Gas Commission, Salt Lake City, Utah. The following plugs were set in accordance with the governmental agencies' instructions:

Dry hole marker with 30' at surface	22 sx
50' across shoe at 175'	31 sx
1230-1330'	28 sx
2100-2250'	45 sx
3070-3170'	28 sx
4950-5050'	35 sx
6030-6130'	28 sx
6250-6350'	28 sx
Total	250 sx

Class A cement

Drilling Engineer: Mr. Hal Addington
Petroleum Engineer
690 Petroleum Club Bldg.
Denver, Colorado 80202

Contractor: Arapahoe Drilling Co.
P. O. Box 2078
Farmington, New Mexico 87401

Rig: Wilson Roadaire, Model 42, Rig #3

Tool pusher: Mr. Jack Murphy
3803 Piedra Vista Dr.
Farmington, New Mexico 87401

Water Source: Montezuma Creek

Mud Logger: None

Mud Services: Baroid
Petroleum Plaza Bldg.
Farmington, New Mexico 87401

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Petroleum Geologist

Mud Engineers:

Mr. Larry Clark and Mr. Martin Byrd

Bit Record:

<u>Make</u>	<u>Size</u>	<u>Type</u>	<u>Depth in</u>	<u>FTGE</u>	<u>Hrs.</u>
Reed	11"	YT1A	Sfc	176'	7
Smith	17 1/4"	HO	176'	---	-
Smith	7 7/8"	DTT	176'	596'	10 1/2 (Lost 2 cones)
Smith	7 7/8"	V2H	772'	62'	1 1/4 (Drlg on cones)
HTC	7 7/8"	J44	834'	1437'	29 1/4
Smith	7 7/8"	DGTH	2271'	741'	23
Sec	7 7/8"	S4TG	2912'	388'	15 1/4 ^h
HTC	7 7/8"	J33	3300'	1947'	122 1/4
HTC	7 7/8"	J44	5247'	1190'	140

Deviation Record:

<u>Depth</u>	<u>Degrees</u>
101'	1/40
176	1/2
680	3/4
772	1/2
1270	1/2
1770	3/4
2271	2
2790	2 1/2
2912	2 1/2
3300	2
3859	1 3/4
4297	1 3/4
4800	2
5247	1 1/2
5740	1 1/4
6272	1 1/2
6436	

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Petroleum Geologist

STRATIGRAPHY

<u>System</u>	<u>Formation</u>	<u>Depth</u>
<u>JURASSIC</u>	Summerville	940'
	Entrada	1045'
	Carmel	1219'
	Navajo	1281'
<u>TRIASSIC</u>	Wingate	1920'
	Chinle	2160'
	Shinarump	2838'
	Moenkopi	2909'
<u>PERMIAN</u>	DeChelly	3120'
	Organ Rock	3185'
<u>PENNSYLVANIAN</u>	Hermosa	4992'
	Ismay	6085'
	Desert Creek	6304'
	Akah	6399'
	Salt	6430'
	TD Driller	6436'
	TD Schlumberger	6438'

ELLIOTT A. RIGGS

Petroleum Geologist

DISCUSSION

This report is written at the request of Mr. Richard L. Winborn, Ada Oil Company, Houston, Texas. The writer was retained as consulting geologist on subject well.

The Ada Oil Company #1 Goodwin Federal (12-37S-23E) was drilled about two miles northeast of the Conoco #1 Alkali Canyon well (15-37S-23E) and about three miles northeast of the Buttes Gas & Oil Company #1-22 Federal (22-37S-23E). The Conoco well was completed in December, 1965, from several porosity streaks in the Ismay for 15 B0 + 5 BWP. This well produced 1547 B0 + 728 BW before it was P & A in early 1967. The Buttes well was drilled in late 1969 and completed in January of 1970 in two porosity zones in the lower Desert Creek and potentialled for an IPF of 41 B0 + 6 BW + 188 mcf. This well is presently shut in after having produced 2370 B0 + 569 BW + 36,296 mcf. Other wells in the nearby vicinity have reported Ismay algal mound development and recoveries of oil, gas and salt water on DST.

It was anticipated that the Ada #1 Goodwin Federal well would be structurally high to the Conoco & Buttes completions. It was interpreted that the Ada well would encounter an Ismay algal mound projected northward from the Gulf #1 Aztec Montezuma Federal well (25-37S-23E) drilled in 1957, which recovered shows of oil and gas and salt water.

The Ada Oil Co. #1 Goodwin Federal well was drilled with rotary tools to TD. Regular 20 and 30 foot samples were caught down to 5100'

ELLIOTT A. RIGGS

Petroleum Geologist

and regular 10 foot samples were caught from 5100' to TD. The upper portion of the hole was drilled with water and Benex to effect maximum penetration rate down to a depth of about 5070'. The hole was mudded up at 5070' and mud viscosities in the middle and low 30's were carried to almost TD where the viscosities were increased to the middle 40's for logging. No undue problems occurred during the drilling of the hole other than were caused by adverse weather conditions due to winter snow storms and blowing snow which caused roads to drift shut. Mud and snow and generally bad weather on some days made travel to and from the rig difficult and sometimes impossible. Daytime temperatures ranged from 20-30° and nighttime temperatures would sometimes range from 0 to -10° F.

The samples were poor down to 5070' where the hole was mudded up. After mudding up, the samples were generally fair to good and were more than adequate to evaluate the hole. The contractor performed an efficient and trouble-free operation and cooperation of the tool pusher and drillers in obtaining the best possible samples should be noted. Samples were deposited at the Four Corners Sample Cut, Farmington, New Mexico, where they will be cut and preserved with an additional cut being sent to American Stratigraphic Co. in Denver as required by contributors to the well. Drilling time was recorded on a Star recorder in 1' intervals. Drilling time logs are included at the end of this report. A tabulation of drilling times is included in the body of this report.

The samples were examined at the wellsite by the writer from 4900' through TD at 6436' which covers the Hermosa and the Ismay-Desert Creek

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Petroleum Geologist

section. All samples were examined under a binocular microscope and Rotary fluoroscope. Each sample was described and tested for shows. Sample description sheets and a copy of the wellsite lithologic percentage log in addition to a lithologic interpretative sample log are included at the end of this report.

Correlation logs used during the drilling of the Ada Oil Co. #1 Goodwin Federal are as follows:

Pan American #1 Deadman Canyon	NE Sec 20-37S-24E
Conoco #1 Alkali Canyon	SE Sec 15-37S-23E
Buttes #1-22 Federal	NW Sec 22-37S-23E
Fundamental #1-23 Conoco	SW Sec 23-37S-23E

STRUCTURAL TOPS

	<u>Buttes</u> <u>#1-22</u>	<u>Fund.</u> <u>#1-23</u>	<u>Conoco</u> <u>#1 A.C.</u>	<u>Pan Am #1</u> <u>Deadman</u>	<u>Ada</u> <u>#1</u>
KB elevation	5813	5727	5875	5809	5961
Hermosa	+781	+764	+822	+903	+969
Ismay	-276	-280	-215	-189	-124
Desert Creek	-507	-526	-475	-401	-343
Akah	-636	-616	NDE	-519	-438
Salt	-665	-649	NDE	-549	-469

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Petroleum Geologist

ZONES OF INTEREST

Hermosa

The Hermosa sequence is a generally overlooked section of Pennsylvanian rocks in the Four Corners area. To date, the Hermosa has not yielded much commercial production, however some zones have been completed in wells on East Boundary Butte anticline to the south on the Utah-Arizona state line. Other wells in northeastern Arizona have had porosity and gas shows in the Hermosa and some recent completions have included these intervals. To the north at Lisbon field area, porosity and shows have also been noted in the Hermosa section.

In the Ada well, a well developed 10' thick oolite bed is present about 350' above the Ismay. A pronounced drilling break is associated with this unit and samples were circulated to determine potential reservoir quality. This zone was anticipated and had previously been noted in the Fundamental #1-23 and Buttes #1-22 wells to the southwest. Examination of the samples showed this interval to be composed of limestone with light grey to buff, very small, partially leached oolites with little or no effective permeability. The porosity is oomoldic and leaching has not progressed to the point where the individual voids are generally connected to provide access to the borehole of contained fluids. Little or no show is present in the samples and a drill stem test was not recommended. This oolite zone is considered a secondary or tertiary zone of interest and should be watched in any additional wells that might be drilled in the area. Examination of the logs confirms the presence of the porosity and

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Petroleum Geologist

indicates that water saturations are high.

Ismay

The Ismay was the primary zone of interest in the Ada well and it was anticipated that an improvement in the section might be encountered to the northeast of the production obtained in the Conoco #1 Alkali Canyon well. The equivalent algal mound zone from about 6150-90' in the Ada well is represented by an anhydrite section. Anhydrite is also present in the lower Ismay interval and the remainder of the section in the Ismay was composed of very fine grained calcareous sandstones and dark black sometimes sooty shales. No porosity or shows were present in any of the samples for the Ismay interval and examination of the log confirms that no zones of commercial interest are present.

Desert Creek

The Desert Creek section was likewise barren and consisted of thick anhydrites, fine grained calcareous sandstones and black sooty shales. No shows were present in any of the samples nor was porosity encountered. Examination of the logs confirms that no zones of commercial interest are present in the Desert Creek section. The oil and gas bearing carbonate porosity that was present in the Buttes #1-22 well is not developed in the Ada well.

Akah

No shows or porosity were noted in the samples of the Akah section

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Petroleum Geologist

and it likewise is composed of anhydrites and very fine grained calcareous sandstones. The thin Akah section which overlies the Salt is generally barren, however shows have been noted in this interval in other parts of the Paradox basin and should always be examined.

Penetration of the Salt was evidenced by a rapid increase in the drilling rate and a temporary increase in the chloride content of the mud from 350 ppm to 2500 ppm.

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Petroleum Geologist

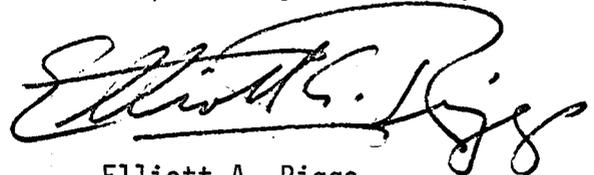
SUMMARY AND CONCLUSIONS

The Ada Oil Company #1 Goodwin Federal was drilled to a TD of 6436' without any undue mechanical problems. The samples were fair to reasonable throughout the zones of interest and were of sufficient quality to evaluate the hole. Examination of the samples and the electric logs indicates that there are no zones of potential commercial oil or gas production present in the borehole.

No drill stem tests were recommended due to the paucity of shows and porosity and the well is considered to be a dry hole and it was recommended that it be plugged and abandoned.

All parties of interest were contacted by Mr. Richard Winborn for plugging approval. Permission was granted by the U. S. Geological Survey and the Utah Oil and Gas Commission to P & A the well. The well was plugged on January 31, 1973.

Respectfully submitted,



Elliott A. Riggs

ELLIOTT A. RIGGS

Petroleum Geologist

DRILLING TIME LOG

ADA OIL COMPANY #1 GOODWIN FEDERAL

Sec 12, T37S, R23E
San Juan Co., Utah

Drilling time recorded in minutes per 10 feet

2500-2600	18	20	20	23	22	23	23	21	18	19
2600-2700	19	19	19	20	23	24	24	21	19	22
2700-2800	26	25	24	21	22	22	21	22	24	21
2800-2900	22	21	21	17	11	12	14	17	24	16
2900-3000	32	19*	23	21	19	27	23	21	18	20
3000-3100	22	23	21	18	19	23	22	23	23	24
3100-3200	21	23	18	13	16	18	14	14	19	23
3200-3300	25	26	28	27	15	22	28	30	26	36
3300-3400	50*	33	37	37	34	32	29	33	30	29
3400-3500	33	30	34	28	32	35	31	32*	39	37
3500-3600	38	37	32	32	33	30	28	31	35	32
3600-3700	29	29	32	38	36	33	33	28	24	31
3700-3800	25	26	29	32	34	31	36	37	39	35
3800-3900	34	33	32	32	31	31	24	29	33	29
3900-4000	35	20	19	27	25	26	30	27	28	26
4000-4100	33	31	25	24	27	28	27	34	28	29
4100-4200	35	33	31	33	31	26	36	36	37	37
4200-4300	36	38	38	25	31	31	36	39	36	35
4300-4400	28	11	24	42	41	37	35	45	30	33
4400-4500	34	32	32	42	42	40	42	33	41	46
4500-4600	46	40	31	23	32	23	45	30	16	47
4600-4700	48	40	38	42	41	37	34	31	28	40
4700-4800	47	45	43	13	37	44	40	41	42	39
4800-4900	38	45	30	25	36	46	46	45	49	42
4900-5000	45	46	49	47	47	27	31	49	42	40
5000-5100	38	44	36	36	44	41	41	44	41	50
5100-5200	54	42	19	56	53	48	47	47	61	53
5200-5300	56	78	82	83	73*	68	71	64	66	66
5300-5400	58	36	51	63	54	57	57	62	59	60
5400-5500	62	55	60	57	50	62	66	64	77	88
5500-5600	72	67	72	73	83	72	75	74	56	55
5600-5700	66	55	61	64	57	62	56	56	74	80
5700-5800	86	69	68	33	65	80	81	85	82	69
5800-5900	66	72	73	71	83	82	80	80	86	87
5900-6000	89	90	84	67	71	71	70	89	75	76
6000-6100	74	75	79	78	77	80	80	83	68	64
6100-6200	79	77	89	83	96	72	75	62	62	56
6200-6300	60	55	55	73	83	71	61	79	64	63
6300-6400	85	57	75	61	74	70	63	54	34	43
6400-6500	65	63	69							

TD 6436'

* = new bit

ELLIOTT A. RIGGS

Petroleum Geologist

DRILLING TIME LOG

ADA OIL COMPANY #1 GOODWIN FEDERAL

Sec 12, T37S, R23E
San Juan Co., Utah

Drilling time recorded in minutes p/5' X 2

6000-6050	74	74	74	76	76	80	80	76	76	76
6050-6100	80	80	80	82	84	78	66	72	64	66
6100-6150	86	72	74	80	98	76	78	88	92	100
6150-6200	68	76	76	74	54	68	62	62	40	72
6200-6250	58	60	56	54	52	58	68	68	78	80
6250-6300	72	70	58	66	82	76	62	66	66	58
6300-6350	64	106	48	66	86	64	56	64	76	72
6350-6400	72	68	58	68	62	44	38	28	36	50
6400-6450	58	72	66	58	76	60	14			

TD 6436'

STAT	DEPTH	R DEEP	R MED	R LL	R 16	GR	NEUT	HI	ΔT	DBULK					Φ	SW	REMARKS
ermosa	5312-22														12	60	Rw = .06
	5330-40														0	--	
	5386-92														8	75	
	5730-32														13	25	
	5732-40														6	40	
smay	6260-70														4	100	Rw = .05
.Creek	6360-70														5	100	Rw = .04

Rm...42... @ 122...°F Formation.....--.....
 Rw...04... @°F Vm..... D_G.....

CompanyAda Oil Company.....
 Lease Goodwin Federal #1
 Location Sec. 12 TS. 37S Rnæ. 23E



"The above interpretations represent our best judgement, and we are happy to give them to you. Nevertheless, since all interpretations are based on inferences from electrical and other measurements, we cannot and do not guarantee their accuracy or correctness, and we shall not be liable or responsible, except in the case of willful negligence on our part, for any loss, costs, damages or expenses that may be incurred or sustained from such interpretations."

/s/ D. E. Pearson
 Schlumberger Engineer



BAROID DIVISION



DRILLING MUD REPORT

REPORT NO.

DATE	1-29-73	DEPTH	
API WELL NO.		STATE COUNTY	WELL S/T

OPERATOR	ADDRESS	CONTRACTOR	ADDRESS	RIG NO.
REPORT FOR MR.	REPORT FOR MR.			SPUD DATE
WELL NAME AND NO.	FIELD OR BLOCK NO.	COUNTY, PARISH OR OFFSHORE AREA	STATE OR PROVINCE	

OPERATION		CASING		MUD VOLUME (BBL)		CIRCULATION DATA				
PRESENT ACTIVITY		SURFACE		HOLE	PITS	PUMP SIZE X IN.	ANNULAR VEL. (FT./MIN.)			
BIT SIZE (IN.)	NO.	IN. at	FT.	TOTAL CIRCULATING VOLUME		5 1/2	14	OPPOSITE DP		
DRILL PIPE SIZE	TYPE	INTERMEDIATE		IN STORAGE		PUMP MAKE	OPPOSITE COLLAR			
DRILL COLLAR SIZE	LENGTH	IN. at	FT.			MODEL	CIRCULATING PRESSURE PSI			
		PRODUCTION OR LINER				BBL/STROKE	STROKE/MIN	BOTTOMS UP (MIN.)		
		IN. at	FT.			113	60	SYSTEM TOTAL (MIN.)		
		MUD TYPE				BBL./MIN.				

Sample from <input checked="" type="checkbox"/> Flowline <input type="checkbox"/> Pit		MUD PROPERTIES		EQUIPMENT			
Flowline Temperature	°F	PM	PM	SIZE	HRS/TOUR	SIZE	HRS/TOUR
Time Sample Taken		4:15	6:05	Centrifuge		Desilter	
Depth (ft)				Degasser		Shaker	
Weight <input checked="" type="checkbox"/> (ppg) <input type="checkbox"/> (lb/cu ft)		9.5		Desander		Other	
Mud Gradient (psi/ft)				DAILY COST			
Funnel Viscosity (sec/qt) API at _____ °F		35		CUMULATIVE COST			

MUD PROPERTIES SPECIFICATIONS			
Yield Point (lb/100 sq ft)		2	
Gel Strength (lb/100 sq ft) 10 sec/10 min.		113	1
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter		10	
Filtrate API (ml/30 min)		6.0	
API HP-HT Filtrate (ml/30min) _____ °F		-	
Cake Thickness 32nd in API <input checked="" type="checkbox"/> HP-HT <input type="checkbox"/>		1	
Alkalinity, Mud (P _m)		-	
Alkalinity, Filtrate (P _f /M _f)		257	1
Salt <input type="checkbox"/> ppm <input type="checkbox"/> Chloride <input type="checkbox"/> ppm		350	2500
Calcium <input type="checkbox"/> ppm <input type="checkbox"/> Gyp (ppb)		2200	PM
Sand Content (% by Vol)		12	
Solids Content (% by Vol)		-	
Oil Content (% by Vol)		-	
Water Content (% by Vol)		-	
Methylene Blue Capacity (me/ml mud)		-	

WEIGHT	VISCOSITY	FILTRATE
1200 lbs	33-35	8-10 cc
BY AUTHORITY <input type="checkbox"/> OPERATOR'S WRITTEN <input checked="" type="checkbox"/> DRILLING CONTRACTOR <input type="checkbox"/> OPERATOR'S REPRESENTATIVE <input type="checkbox"/> OTHER		

MATERIALS RECOMMENDED

Tourly:

- 1 sk. Dextrid / 1 sk Soda Ash
- 1/2 sk. Cellex over 1 hour
- 5 sks. gal and 1sk. caus
- check water loss every 4 hours keeping below 10cc with Dextrid

- for logging raise vis 40-45 with gal. Mix 3 sks G-Broxin while raising vis.
- If mud starts to fluff mix 1sk. soda ash first - then mix 50/50 caustic / G-Broxin as needed to cut fl

THIS COPY TO OIL COMPANY

THE RECOMMENDATIONS MADE HEREON SHALL NOT BE CONSTRUED AS AUTHORIZING THE INFRINGEMENT OF ANY VALID PATENT, AND ARE MADE WITHOUT ASSUMPTION OF ANY LIABILITY BY NATIONAL LEAD COMPANY OR ITS AGENTS, AND ARE STATEMENTS OF OPINION ONLY.

REPRESENTATIVE	HOME ADDRESS	TELEPHONE
MOBILE UNIT	WAREHOUSE LOCATION	TELEPHONE



BAROID DIVISION



DRILLING MUD REPORT

REPORT NO. _____

DATE 1-25-1973 DEPTH _____

API WELL NO. _____ STATE _____ COUNTY _____ WELL _____ S/T _____

OPERATOR Ada Oil Co
ADDRESS _____CONTRACTOR Apache
ADDRESS _____RIG NO. 3
SPUD DATE _____REPORT FOR MR. H. S. AdlingtonREPORT FOR MR. M. S. MurphySECTION, TOWNSHIP, RANGE
12. 37 S 23WELL NAME AND NO. Ada #1 Goodwin FeedFIELD OR BLOCK NO. w/cCOUNTY, PARISH OR OFFSHORE AREA San JuanSTATE OR PROVINCE Utah

OPERATION		CASING		MUD VOLUME (BBL)		CIRCULATION DATA			
PRESENT ACTIVITY		SURFACE		HOLE		PUMP SIZE X IN.		ANNULAR VEL. (FT./MIN.)	
BIT SIZE (IN.)	NO.	IN. at	FT.	TOTAL CIRCULATING VOLUME	PITS	PUMP MAKE	MODEL	OPPOSITE DP	
DRILL PIPE SIZE	TYPE	INTERMEDIATE		IN STORAGE		BBL/STROKE	STROKE/MIN	OPPOSITE COLLAR	
DRILL COLLAR SIZE	LENGTH	PRODUCTION OR LINER				BBL/MIN.		CIRCULATING PRESSURE PSI	
		IN. at	FT.					BOTTOMS UP (MIN.)	
		MUD TYPE						SYSTEM TOTAL (MIN.)	

Sample from <input type="checkbox"/> Flowline <input type="checkbox"/> Pit	MUD PROPERTIES			
Flowline Temperature	°F			
Time Sample Taken				
Depth (ft)				
Weight <input type="checkbox"/> (ppg) <input type="checkbox"/> (lb/cu ft)				
Mud Gradient (psi/ft)				
Funnel Viscosity (sec/qt) API at _____ °F				
Plastic Viscosity cp at _____ °F				
Yield Point (lb/100 sq ft)				
Gel Strength (lb/100 sq ft) 10 sec/10 min				
pH <input type="checkbox"/> Strip <input type="checkbox"/> Meter				
Filtrate API (ml/30 min)				
API HP-HT Filtrate (ml/30min) _____ °F				
Cake Thickness 32nd in API <input type="checkbox"/> HP-HT <input type="checkbox"/>				
Alkalinity, Mud (P _m)				
Alkalinity, Filtrate (P _f /M _f)				
Salt <input type="checkbox"/> ppm <input type="checkbox"/> Chloride <input type="checkbox"/> ppm				
Calcium <input type="checkbox"/> ppm <input type="checkbox"/> Gyp (ppb)				
Sand Content (% by Vol)				
Solids Content (% by Vol)				
Oil Content (% by Vol)				
Water Content (% by Vol)				
Methylene Blue Capacity (me/ml mud)				

EQUIPMENT							
SIZE	HRS/TOUR		SIZE	HRS/TOUR			
Centrifuge			Desilter				
Degasser			Shaker				
Desander			Other				
DAILY COST				CUMULATIVE COST			

MUD PROPERTIES SPECIFICATIONS		
WEIGHT	VISCOSITY	FILTRATE

BY AUTHORITY OPERATOR'S WRITTEN DRILLING CONTRACTOR
 OPERATOR'S REPRESENTATIVE OTHER

MATERIALS RECOMMENDED

check for salt:

- ① 5:30 P.M. → 350 ppm
- ② 5:40 P.M. → 350 ppm
- ③ 5:55 P.M. → 400 ppm
- ④ 6:05 P.M. → 2500 ppm
- ⑤ 6:20 P.M. → 1500 ppm
- ⑥ 6:30 P.M. → 600 ppm
- ⑦ 6:45 P.M. → 500 ppm
- ⑧ 7:00 P.M. → 450 ppm

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REPRESENTATIVE <u>Martin Byrd</u>	HOME ADDRESS <u>Farmington</u>	TELEPHONE <u>325-9541</u>
MOBILE UNIT	WAREHOUSE LOCATION	TELEPHONE <u>325-1126</u>

ELLIOTT A. RIGGS

Petroleum Geologist

LOG AND REPORT DISTRIBUTION

	<u>Log Field</u>	<u>Log Final</u>	<u>Sepia</u>	<u>Geol Report</u>
Ada Oil Co. Attn: Mr. Richard Winborn P. O. Box 844 Houston, Texas 77001	2	2	film	2
Mr. James C. Goodwin 15200 West 26th Ave. Golden, Colorado 80401	2	2	-	2
Placid Oil Co. Attn: Mr. James Murphree 1700 Broadway Denver, Colorado 80202	2	2	-	2
Diamond Shamrock Attn: Mr. Bill Killingsworth P. O. Box 631 Amarillo, Texas 79105	2	3	-	2
Chorney Oil Co. Attn: Mr. Sam Boltz P. O. Box 144 Casper, Wyoming 82601	2	3	-	2
Mr. Hal W. Addington 690 Petroleum Club Bldg. Denver, Colorado 80202	1	1	-	1
Elliott A. Riggs P. O. Box 711 Farmington, New Mexico 87401	1	1	1	1
U. S. Geological Survey P. O. Box 1809 Durango, Colorado 81301	-	2	-	-
Utah Oil & Gas Commission 1588 West North Temple Salt Lake City, Utah 84116	-	1	-	-

ELLIOTT A. RIGGS

Petroleum Geologist

WELL HISTORY

- January 7, 1973 Rig down and load out rig
- 8, Moving rig
- 9, Moving rig
- 10, Rigging up
- 11, Drl mouse hole & rat hole, drl sfc hole, spud
8:00 PM, 1-11-73
- 12, Reaming sfc hole, ran 5 jts 48# 13 3/8" Lone Star
csg, total 161.43', set at 175' KB, cmt w/Halli-
burton w/200 sx Class A cmt w/3% CaCl, circ approx
15 BBL cmt, plug down 7:00 PM, WOC, depth at
11:59 PM 176'
- 13, WOC, nipple up, slip drlg line, pack swivel, press
up to 500#, OK, drl cmt, plug & shoe, drlg w/wtr &
Benex, make trip at 772', left 2 cones in hole,
depth at 11:59 PM 772'
- 14, Drlg on junk, circ, trip out, pick up globe basket,
trip in, mill on cones, trip, dress globe basket,
mill over cones, trip out, lay down basket, pick up
bit & junk sub, drlg, drlg w/wtr & Benex, depth at
11:59 PM 1570'
- 15, Drlg, make trip at 2271', pick up 3 DC, depth at
11:59 PM 2354'
- 16, Drlg w/wtr & Benex, make trip at 2912', depth at
11:59 PM 2920'
- 17, Drlg w/wtr & Benex, make trip at 3300', pack swivel,
depth at 11:59 PM 3373'
- 18, Drlg w/wtr & Benex, depth at 11:59 PM 3685'
- 19, Drlg, depth at 11:59 PM 4141'
- 20, Drlg w/wtr & Benex, depth at 11:59 PM 4533'
- 21, Drlg, depth at 11:59 PM 4889'
- 22, Drlg w/wtr & Benex, begin to mud up at 5070', pack
swivel, W 9.5, Vis 35, WL 2.4, depth at 11:59 PM
5187'

ELLIOTT A. RIGGS

Petroleum Geologist

January 23, 1973

- Make trip at 5247', cut drlg line, ream 10' to btm, pipe strap 5230.66', pipe tally 5233.23', corr 2.57', W 9.2, Vis 34, WL 6.8, depth at 11:59 PM 5327'
- 24, Drlg, W 9.1, Vis 32, WL 6.8, depth at 11:59 PM 5539'
- 25, Drlg, W 8.9, Vis 36, WL 8.8, depth at 11:59 PM 5742'
- 26, Drlg, W 9.2, Vis 36, WL 6.0, depth at 11:59 PM 5921'
- 27, Drlg, W 9.3, Vis 35, WL 8.2, depth at 11:59 PM 6095'
- 28, Drlg, circ for spls, W 9.5, Vis 35, WL 6.0, depth at 11:59 PM 6286'
- 29, Drlg, circ for spls, W 9.5, Vis 45, WL 7.0, drl into Salt, TD 6436', call Schlumberger, depth at 11:59 PM 6436'
- 30, Logging w/Schlumberger, WOO to P & A, contributors & governmental regulatory agencies
- 31, Plugging operations commenced by Halliburton

SAMPLE DESCRIPTION

EXAMINED BY		DATE	LOCATION										COUNTY	STATE	COMPANY	WELL NO.	LEASE	REMARKS				
Elliott A. Riggs		27-Jan-75	NE SE Sec 12, T37S, R23E										San Juan Co.,	Utah	Ada Oil Co., #1	Goodwin Federal						
DEPTH FROM TO	DRILLING TIME NEW BITS	EVAPORITES			SHALE					BAND	GR W CONGL	DESCRIPTION	DOLOMITE		LIMESTONE		CHERT		FLUOR.		ADD. LITHOLOGY	
		ANHY GYP	POLY	BALT	DENT	GRY	BLK	GRN	RED BRN				DESC.	%	POR	%	POR	%	DESC.	SPL		CUT
5990-6000	76				Tr	Tr		20								70	gry fgr dns	10	tn	N		
6000-10	74				10	Tr		20							70	gry fgr dns	20	gry-tn, sm	N	cht spiculitic		
10-20	75				Tr	10		10			70	gry v fgr calc			10	AA			N			
20-30	79				10	10	Tr	10			10	AA			60	gry fgr dns, sm v. sndy	5	tn	N			
30-40	78				10	70		10			Tr	AA			10	AA			N			
40-50	77				Tr	90		10			Tr	AA			Tr	AA			N			
50-60	80				Tr	90		10			Tr	AA			Tr	AA			N			
60-70	80					90		10							Tr	tn fgr dns			N			
70-80	83					90		10											N			
80-90	68					90		10							Tr	AA			N			
[This so called "black shale" really looks more like a black limestone, however chip does not completely dissolve in acid]																						
- deeper black than preceding -																						
90-6100	64	Tr?			70			10			20	gry-blk v fgr calc			Tr	gry fgr dns			N			
← calc & sm sndy																						
6100-10	79	20	sm hd & massive		70			10					Tr?	tn earthy?	Tr	gry & tn fgr dns, sm earthy			N			
10-20	77	20	sm hd & massive		70	Tr		10					Tr?	tn earthy?	Tr	gry fgr dns	5	blk	N			
20-30	89	10	AA		50			10			30	gry fgr sl calc					5	blk	N			
30-40	83	20	sm hd & massive		10			Tr			70	gry fgr sl calc					Tr	blk	N			
40-50	96	10	sm hd & massive		Tr			Tr			90	gry fgr sl calc							N			
50-60	72	20	AA		Tr	10		10			70	AA, 1 piece mgr							N			
60-70	75	40	RR					10			30	AA			10	tn fragmental			N			
70-80	62	40	RR					10			40	AA			Tr	tn fgr dns w/ pass sm vugs filled w/lonhy?			N			
80-90	62	50	hd, gry massive		10			20			20	gry fgr dns			Tr	tn fgr dns, sm fragmental			N			
90-6200	56	30	RR					20			20	AA			10	few pieces tn fgr dns			N			
15" circ		20	RR					10			40	gry v fgr dns sl calc			Tr	AA			N			
30" circ		20	RR		40	10		10			40	dk gry v fgr dns sl calc			Tr	few pieces tn fgr dns			N			
45" circ		10	RR		20	30		30			10	AA			Tr	AA			N			
[not v. good spl - looks like all we're doing is just cleaning the hole]																						
60" circ		10	RR					80			10	Tr	AA		Tr	tn fgr dns, Tr stylo	10	blk	N			

SAMPLE DESCRIPTION

EXAMINED BY		DATE	LOCATION										COUNTY	STATE	COMPANY	WELL NO.	LEASE	REMARKS						
Elliott R. Riggs		28 Jan '73	NE SE Sec 12., T37S, R23E										San Juan Co.,	Utah	Ada Oil Co., #1	Goodwin Federal								
DEPTH FROM TO	DRILLING TIME NEW BITS	EVAPORITES			SHALE					BAND	GR W		DOLOMITE		LIMESTONE		CHERT		FLUOR.		ADD. LITHOLOGY			
		ANHY GYP	POLY	SALT	BENT	GRY	BLK	GRN	RED BRN		DESC.	CONGL	DESCRIPTION	%	POR	DESCRIPTION	%	POR	DESCRIPTION	%		DESC.	SPL	CUT
6200-10	60	Tr				Tr	calc 80		30						Tr		Tn-gry fgr dns			N				
10-20	55	Tr					calc 80		30						10		Tn-brn fgr dns			N				
20-30	55	Tr					80		10						10		Tn-brn fgr dns			N				
							black soft being sooty, still v. calc																	
30-40	73	20					10	40	30						Tr		Tn fgr dns			N				
40-50	83	Tr					10	40	60						Tr		AA			N				
50-60	71	Tr					10	10	70		Tr				10		Tn fgr dns			N				
60-70	61	20					10	60	10						Tr		Tn fgr dns			N				
70-80	79	Tr					10	10	20		60				Tr		drk gry v fgr, v. calc.			N				
80-90	64		(soft)				50 ft sooty 90		10						Tr		Tn fgr dns			N				
90-6300	63	Tr					50 ft sooty 90		10											N				
6300-10	85						50 ft sooty 90		10											N				
10-20	57	Tr					50 ft sooty 20		10		70						drk gry v fgr, sl calc.			N				
20-30	75	30					10		30		30						drk gry v fgr, sl calc.			N				
30-40	61	20					10		20		50						lt gry v fgr, sl calc.			N				
40-50	74	10					10		30		50						lt gry v fgr, sl calc.			N				
50-60	70	Tr					10		20		70						lt gry v fgr, sl calc.			N				
60-70	63	Tr					10		Tr	20	70				Tr		gry-drk gry v fgr, calc.			N				
70-80	54	10					Tr	Tr	Tr	10	80						gry v fgr, calc.			N				
80-90	34	Tr					50 ft sooty 10		10		80				Tr		drk brn v fgr, v. calc (almost a sandy ls)			N				Tr penetrate brack
6393-15" circ							soft sooty 80		10		10						AA, 1 piece mgr			N				
30" circ		Tr					soft, v. sooty 80		10		10						AA			N				
45" circ							100		Tr								(blk sh soft, v. sooty, & sm gummy)			N				
60" circ							100		Tr								(blk sh soft, v. sooty, & sm gummy)			N				Tr pyr
75" circ							100		Tr								(blk sh soft, v. sooty, & sm gummy)			N				
90" circ							100		Tr								(blk sh soft, v. sooty, & sm gummy)			N				
90-6400	43	Tr					90		10						Tr		(blk sh soft, v. sooty, & sm gummy)			N				

GEOLOGICAL FIELD SHEET

STATE & COUNTY San Juan County, Utah ELEV. _____
 OPERATOR Ada Oil Company
 FEE OWNER Ada-Goodwin Federal #1
 LOCATION NESE 1980' FSL 850' FEL SURVEY Sec. 12-37S-
 SEC.-TWP.-RNG. _____
 Contractor: Arapahoe Drilling Co. 23E
Desert Creek test (6500')
MR. RICHARD WINBORN: Home (713) 782-1680

BEG.: _____ COMP.: _____
 CASING RECORD COMPLETION RECORD

5 jts. 48#, 13-3/8"

SAMPLE TOPS SCHLUMBERGER

Ismay 6095'
Desert Creek 6310'

MISCELLANEOUS INFORMATION

For drilling information prior to this date, see well file.
 1/23/73: 5240' Drilling sand & shale. MW 9.4, Vis 35,
 FC 2/32. Bit #8 still in hole. Shut down two
 hours to pack swivel. Now drilling ahead.
 1/24/73: 5385' Drilling, Bit #9, Vis 32, MW 9.2, WL 7.8.
 1/25/73: 5591' Drilling w/bit #9. MW 9.1, Vis 32, WL 8.8,
 FC 1/32. Drilling 9' per hour.
 1/26/73: 5787' Drilling. MW 9.1, Vis 36, WL 7.6. Bit #9
 drilling 7' per hour.
 1/27/73: 5968' Drilling @ 8'/hr.. Vis 35, WL 9.2, Bit #9
 in hole.
 1/28/73: 6146' Drilling @ 8'/hr. Bit #9 still in hole.
 Vis 35, MW 9.3, WL 8.2.
 1/29/73: 6337' Drilling 8'/hr. Vis 36, MW 9.5, WL 9.4.
 Bit #9 in hole. Dev 1 1/2° @ 6275'. Should bottom
 tonight @ 6480'.
 1/30/73: 6438' Logging. Made 99' survey @ 6436' - 1 1/4°
 2/5/73: TD 6438'. Plugged and Abandoned 1/31/73.

(Over)

SCOUT REPORT

THE M. L. BATH COMPANIES
 SERVICE—ADVIS—MISCELLANEOUS CHARGES
 BATH-GRAM
 REG. NO. 512,251 U. S. PAT. OFF.

ADA OIL COMPANY #1
Goodwin Federal

NSR Sec 12, T37S, R22E
San Juan Co, Utah

Goodwin, Arden, Dallas, G.

Alfred L. Payne
Rm. 301, 101
Crestline, Ind. 46016

Jan 21, 1932

Only from - Main Plot
0' 0' 100' 200'

W. 1/4 Sec 12
S. 1/4 Sec 12

RA 1916
DS 1917
W 1918

1/4 Sec 12
1/4 Sec 12
1/4 Sec 12

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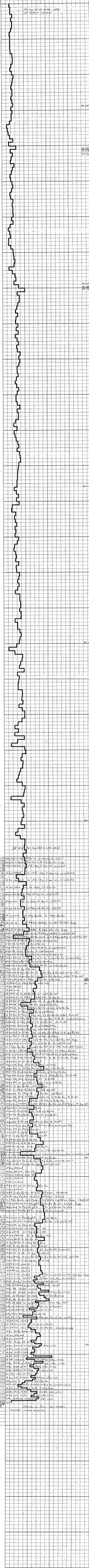
1/4 Sec 12

1/4 Sec 12

1/4 Sec 12

1/4 Sec 12

1/4 Sec 12



1/4 Sec 12

Schumberger
COMPENSATED NEUTRON-FORMATION DENSITY

SAM JUAN
FIELD OF LOCATION
WILDCAT
GOODWIN FEDERAL
WELL
ADA OIL COMPANY

COMPANY: ADA OIL COMPANY
WELL: WILDCAT
FIELD: GOODWIN FEDERAL NO. 1
COUNTY: SAN JUAN STATE
SECTION: 1309 52E 09S T2E
TOWNSHIP: 09S
RANGE: 1309 52E
STATE: UTAM

DATE: 12 Jan 1958
TIME: 2:35 P.M.
LOGGING UNIT: OIL

LOGGING DEPTH: 0-4800
LOGGING RATE: 235 FPM
LOGGING UNIT: OIL

DRILLING TIME LOGS
LITHOLOGY & TOPS

WILDCAT
GOODWIN FEDERAL
WELL
ADA OIL COMPANY

The well name, location and borehole reference data were furnished by the customer.

Run No.	CNC	CNC	CNC	NBR	SOC	CAL	Dist	Log	Logging Unit	Location
1	30A	35A	33A	929B	74J	X	Yes	No	5619	FARMINGTON

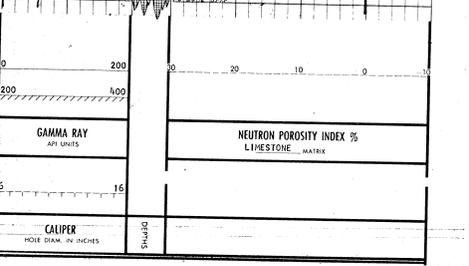
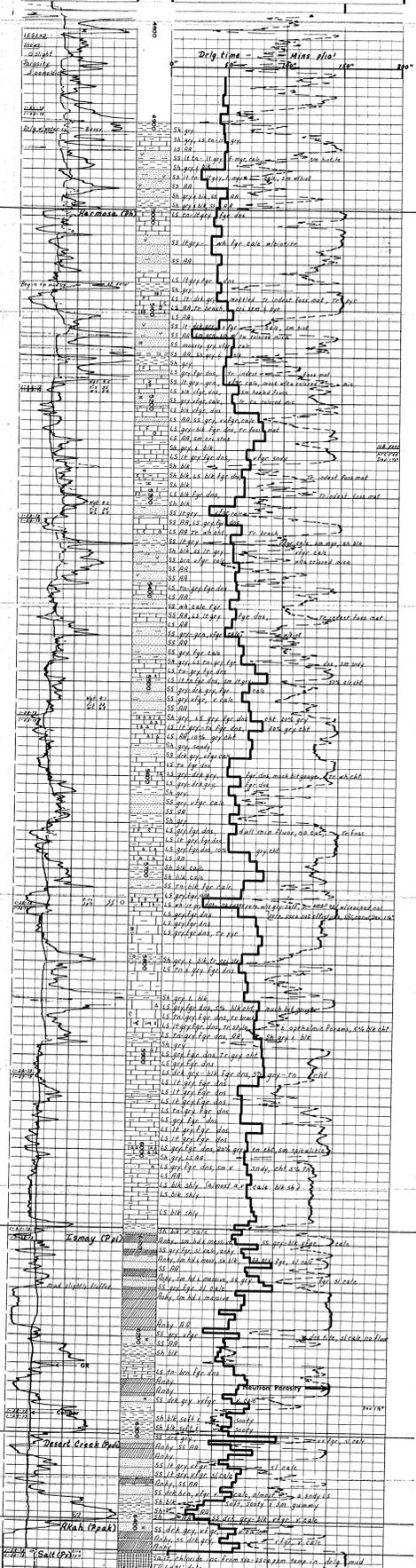
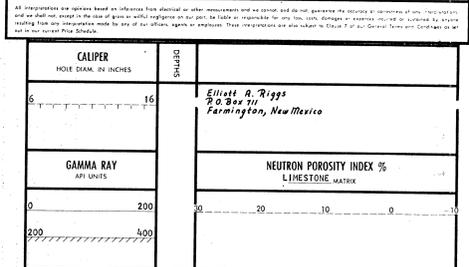
Run No.	RF								
1	234	362	417	234	234	234	234	234	234

Run No.	API Scale	Gamma Ray Background CPS	Total CPS	Long Spacing	Short Spacing	Long Spacing	Short Spacing
1	0-200	160	544	520	750	520	750

Run No.	Before Log-SNP-After Log	Before Log-FDC-After Log
1	500	1040

Run No.	From	To	Speed Ft. Min.	API Scale	Matrix	Auto Hole Size	Hole Size Setting	Porosity Scale
1	0-4800	4800	30	2	0-200	LIME-STONE	X	20/TK

Remarks: S.O. NO. 74416



ARAPAHOE DRILLING CO.

P.O. BOX 2078 • FARMINGTON, NEW MEXICO 87401

JOHN E. SCHALK
MANAGING PARTNER

January 30, 1973

AREA CODE 505
TELEPHONE: 325-5018

Mr. Paul Burchell
State Of Utah
Department Of Natural Resources
1588 West North Temple
Salt Lake City, Utah 84116

Re: Application For Permit To Drill
Ada Oil Company
Ada No. 1 Goodwin Federal
SE/4 Sec. 12, T-37S, R-23E
San Juan County, Utah

Dear Mr. Burchell:

As discussed during our telephone conversation of today, we are enclosing a copy of the "Application For Permit To Drill", Surveyor's Plat, and a Sketch of the Directions for the above captioned well. This Intent To Drill has also been filed with the U. S. Geological Survey in Durango, Colorado as of this date.

As you know, this well has been drilled and logged without the prior consent of the U. S. Geological Survey, Bureau of Land Management, and The State Of Utah due to an oversight by Ada Oil Company.

We apologize for the inconvenience that we have created in your office and trust this problem can be rectified in the very near future.

Thank you for your assistance.

Yours very truly,

ARAPAHOE DRILLING CO.

William H. Hallcroft
William H. Hallcroft
Office Manager

WHH/dh

Enclosures

cc: Mr. Joe Lassiter, Jr.
Ada Oil Company
P. O. Box 844
Houston, Texas 77001

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL XX DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
ADA OIL COMPANY

3. ADDRESS OF OPERATOR
P. O. BOX 844, HOUSTON, TEXAS 77001

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
1980' F.S.L., 850' F.E.L. SEC. 12, T-37S, R-23E
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
36 MILES NORTH OF MONTEZUMA CREEK, UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
850'

16. NO. OF ACRES IN LEASE
1,120

17. NO. OF ACRES ASSIGNED TO THIS WELL
80

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

19. PROPOSED DEPTH
6500'

20. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5948' GR

22. APPROX. DATE WORK WILL START*
12-31-72

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/4"	13-3/8"	48#	175'	200 SX.
7-7/8"	4-1/2"	10.5#	6500'	350 SX.

WILL DRILL WITH ROTARY TOOLS TO TEST THE DESERT CREEK CARBONATES. WILL RUN D.S.T.'S ACROSS ANY POROUS ZONES IN THE DESERT CREEK IF WARRANTED BY SHOWS. IF PRODUCTIVE, WILL CEMENT 4-1/2" CASING AND PERFORATE AS NEEDED. LOGS, BORE HOLE COMPENSATED SONIC GAMMA RAY WITH CALIPER AND A DUAL INDUCTION LATERAL LOG.

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.

SIGNED William H. Hallcraft TITLE AGENT DATE JANUARY 30, 1973

(This space for Federal or State office use)
ACCEPTED FOR RECORD PURPOSES

RECEIVED
 JAN 31 1973

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Utah Div of Comm.

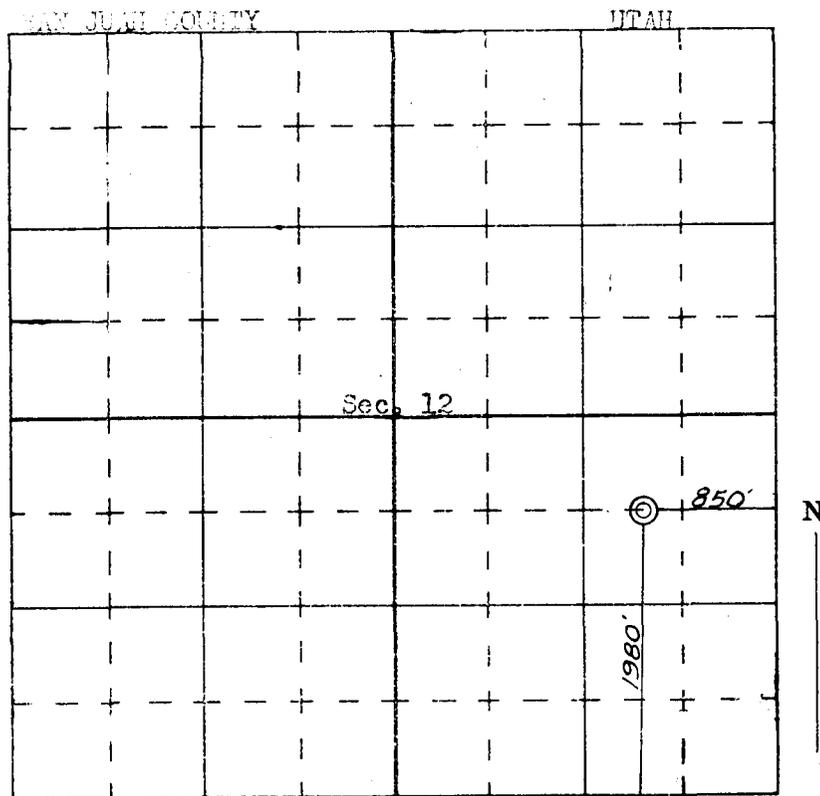
COMPANY ADA OIL COMPANY

LEASE GOVERNMENT FEDERAL WELL NO. 1

SEC. 12 T. 37 SOUTH R. 23 EAST, S.L.M.

LOCATION 1980 Feet from the South line and
850 Feet from the East line

ELEVATION 5012.0



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

James B. Leese
Registered Land Surveyor.

James B. Leese
Utah Reg. No. 1472

SURVEYED 21 November 1972

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

ADA OIL COMPANY

3. ADDRESS OF OPERATOR

P. O. BOX 844, HOUSTON, TEXAS 77001

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

At surface

1980' F.S.L., 850' F.E.L. SEC. 12, T-37S, R-23E

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

36 MILES NORTH OF MONTEZUMA CREEK, UTAH

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

850'

16. NO. OF ACRES IN LEASE

1,120

17. NO. OF ACRES ASSIGNED TO THIS WELL

80

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

6500'

20. ROTARY OR CABLE TOOLS

ROTARY

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

5948' GR

22. APPROX. DATE WORK WILL START*

12-31-72

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/4"	13-3/8"	48#	175'	200 SX.
7-7/8"	4-1/2"	10.5#	6500'	350 SX.

WILL DRILL WITH ROTARY TOOLS TO TEST THE DESERT CREEK CARBONATES. WILL RUN D.S.T.'S ACROSS ANY POROUS ZONES IN THE DESERT CREEK IF WARRANTED BY SHOWS. IF PRODUCTIVE, WILL CEMENT 4-1/2" CASING AND PERFORATE AS NEEDED. LOGS, BORE HOLE COMPENSATED SONIC GAMMA RAY WITH CALIPER AND A DUAL INDUCTION LATERAL LOG.

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 William H. Hellecraft AGENT

DATE JANUARY 30, 1973

(This space for Federal or State office use)

ACCEPTED For Record Purposes ONLY
DRILED WITHOUT APPROVAL

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

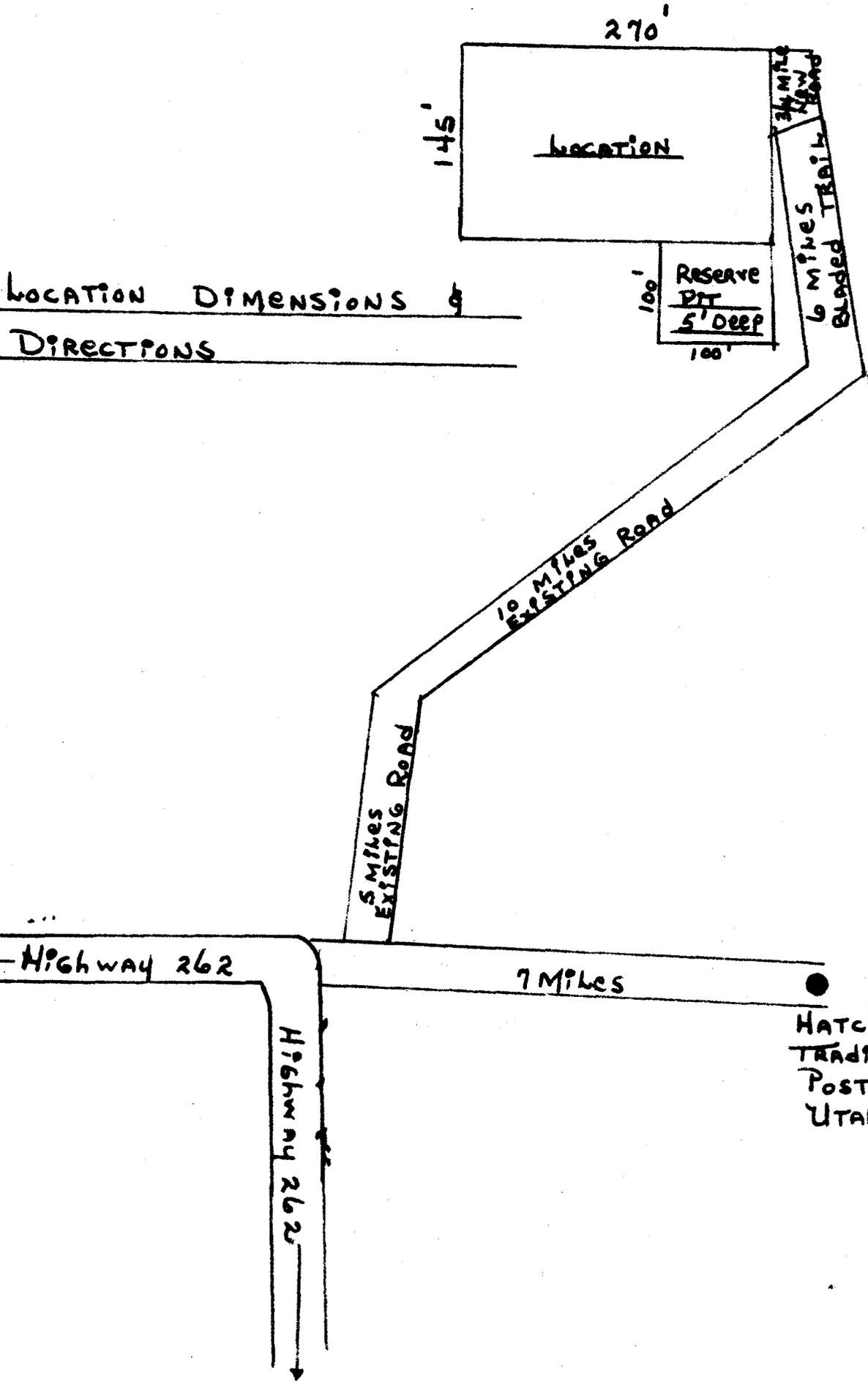
DATE JAN 31 1973

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

*See Instructions On Reverse Side

Open.

Ada Oil Company
Ada Noel Goodwin Federal
1980' F.S.L. 850' F.E.L.
Seco 12, T-37S, R-23 E
SAN JUAN COUNTY, UTAH



LOCATION DIMENSIONS &
DIRECTIONS

Montezuma
Creek, Utah

Hatch
Trading
Post,
Utah

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN REPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER (PROPOSAL TO ABANDON)

2. NAME OF OPERATOR
ADA OIL COMPANY

3. ADDRESS OF OPERATOR
P. O. BOX 844 --- HOUSTON, TEXAS 77001

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1980' F.S.L., 850' F.E.L., SEC. 12, T-37S, R-23E

5. LEASE DESIGNATION AND SERIAL NO.
UTAH 4545

6. INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
ADA NO. 1 GOODWIN FEDERAL

10. FIELD AND POOL, OR WILDCAT
WILDCAT

11. SEC. T., R., ME. OR BLM. AND SURVEY OR AREA
SEC. 12, T-37S, R-23E

12. COUNTY OR PARISH
SAN JUAN

13. STATE
UTAH

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5948' GR

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT ON:	
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 checked="" 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) <input type="checkbox"/>

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

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

THIS WELL WAS A "DESERT CREEK" CARBONATES TEST. IT WAS DETERMINED TO BE A DRY HOLE WITH NO SHOWS OF OIL OR GAS OR ANY POROSITY. IT IS, THEREFORE, PROPOSED TO BE PLUGGED AS FOLLOWS:

PLUG NO.	FROM	TO	FEET
1	6250'	6350'	100
2	6030'	6130'	100
3	4950'	5050'	100
4	3070'	3170'	100
5	2100'	2250'	150
6	1230'	1330'	100
7	50'	PLUG ACROSS SURFACE CASING SHOE @ 175'	
8	30'	PLUG AT TOP OF SURFACE CASING	

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

SIGNED William H. Hallcraft AGENT DATE 1-31-73

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

✓

Ind.

12-375-23E San Juan

1980 FSA 850 FEA

Ada Oil Co.

Houster =

\$ ~~713~~ (713) 741-0066

Joe Blesette

my 4 - 1/2 E on re @

View
Dauding @

Fury hang - USGS

W. A. Rose #2

July -

Ausch. Day 17

~~Clarence Felix - 328 8368 - Engineers Office~~

~~355-2551~~

Bill Wallcroft. - Arapaho Dry
Farming New Mexico. 1/30/73
Ada Oil Co. -

1980' FSL
850' FEL

SE sec 17 T37S R23E

Son Juan

Ada #1 Goodwin Fed.

BLM + Jerry Long

~~Bill Be P&A~~ Dry hole
Bill Be P&A after Pond
in field
+ N I B + some Plat.
degenerate of type

PMB

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL **XX** DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL **XX** GAS WELL OTHER SINGLE ZONE **X** MULTIPLE ZONE

2. NAME OF OPERATOR
ADA OIL COMPANY

3. ADDRESS OF OPERATOR
P. O. BOX 844, HOUSTON, TEXAS 77001

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
1980' F.S.L., 850' F.E.L. SEC. 12, T-37S, R-23E
NW NE SE

5. LEASE DESIGNATION AND SERIAL NO.
UTAH NO. 4545

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
ADA NO. 1 GOODWIN FEDERAL

10. FIELD AND POOL, OR WILDCAT
WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 12, T-37S, R-23E

12. COUNTY OR PARISH 13. STATE
SAN JUAN UTAH

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
36 MILES NORTH OF MONTEZUMA CREEK, UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) **850'**

16. NO. OF ACRES IN LEASE **1,120**

17. NO. OF ACRES ASSIGNED TO THIS WELL **80**

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

19. PROPOSED DEPTH **6500'**

20. ROTARY OR CABLE TOOLS **ROTARY**

21. ELEVATIONS (Show whether DF, RT, GR, etc.) **5948' GR**

22. APPROX. DATE WORK WILL START* **12-31-72**

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/4"	13-3/8"	48#	175'	200 SX.
7-7/8"	4-1/2"	10.5#	6500'	350 SX.

WILL DRILL WITH ROTARY TOOLS TO TEST THE DESERT CREEK CARBONATES. WILL RUN D.S.T.'S ACROSS ANY POROUS ZONES IN THE DESERT CREEK IF WARRANTED BY SHOWS. IF PRODUCTIVE, WILL CEMENT 4-1/2" CASING AND PERFORATE AS NEEDED. LOGS, BORE HOLE COMPENSATED SONIC GAMMA RAY WITH CALIPER AND A DUAL INDUCTION LATERAL LOG.

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 William H. Hallcraft TITLE AGENT DATE JANUARY 30, 1973

(This space for Federal or State office use)

PERMIT NO. 43-037-30105 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

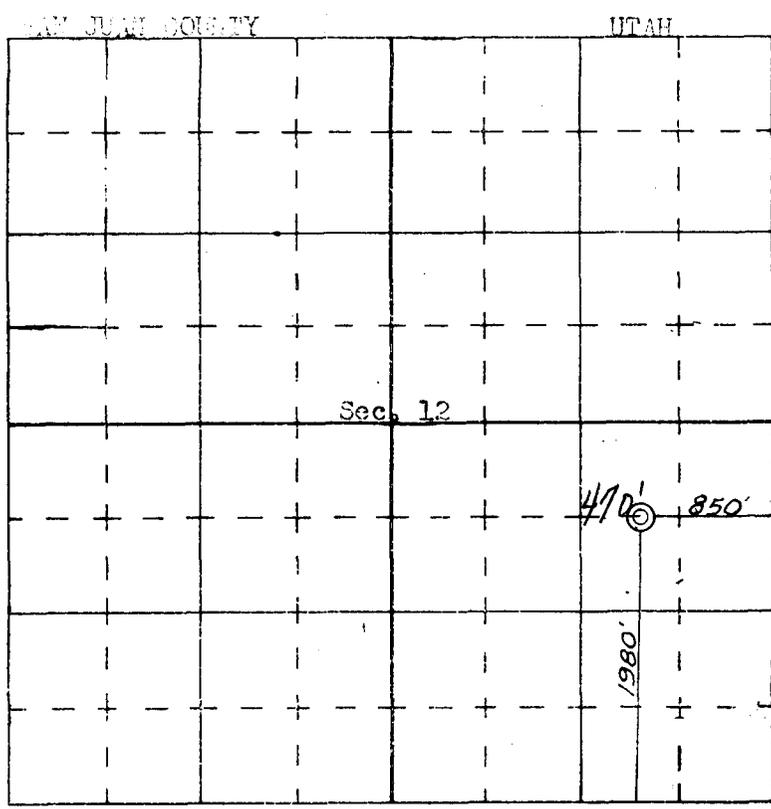
COMPANY ADA OIL COMPANY

LEASE GOODWILL FEDERAL WELL NO. 1

SEC. 12 T. 37 SOUTH R. 23 EAST, S.L.

LOCATION 1950 Feet from the South line and
850 Feet from the East line

ELEVATION 5022.0



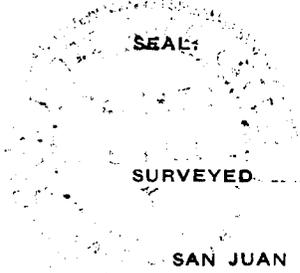
SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

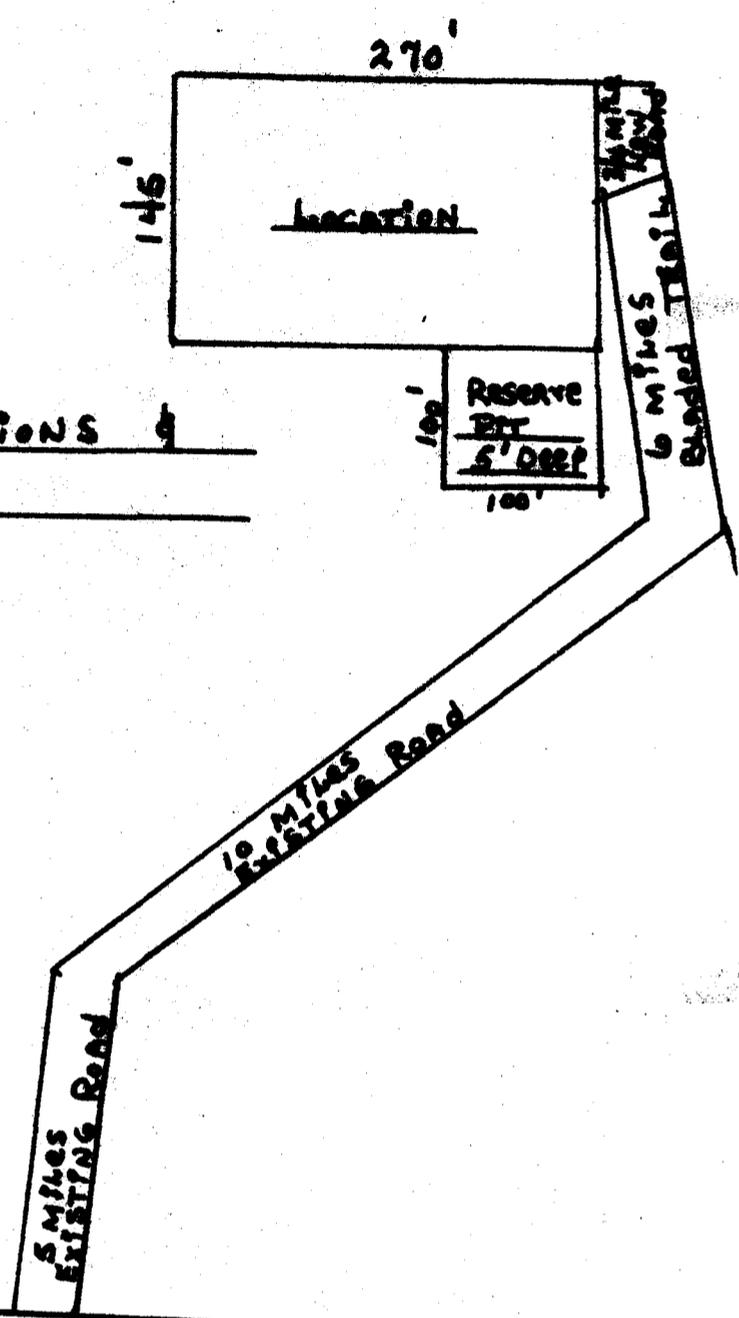
James B. Leese
Registered Land Surveyor.

James B. Leese
Utah Reg. No. 1472

SURVEYED 21 November 1972



Ada Oil Company
Ada Noel Goodwin Federal
1980' F.S.L. 850' F.E.L.
Seco 12, T-37S, R-23 E
SAN JUAN COUNTY, UTAH



LOCATION DIMENSIONS

DIRECTIONS

← Highway 262

7 Miles

HATCH TRADING POST, UTAH

MONTENZUMA CREEK, UTAH

Arapahoe Drilling by Bill Hall
4 USGS approved - Jerry Long

EMD

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

PLUGGING PROGRAM

NAME OF COMPANY Ada Oil Co. / Arapahoe Drilling
WELL NAME Ada Soda in Fed. #1 API NO:
Sec. 12 Township 372 Range 23E County San Juan

Verbal Approval Given to Plug the Above Referred to Well in the Following Manner:

Total Depth: 6436' (No shows oil or gas)

Casing Program:

13 3/8" @ 175' w/ 200
sacks, Cement
Circulated.

Formation Tops:

- Sunoverville - 940'
- Entrada - 1045'
- Camel - 1219'
- Nawajo - 1281'
- Wingate - 1920'
- Chile - 2160'
- Shinarump - 2838'
- Munkopi - 2909'
- DeChelly - 3120'
- Organ Rock - 3185'
- Uruasa - 4992'
- Ismay - 6085'
- Desert Creek - 6304'
- Akak - 6399'
- Salt - 6430'

Plugs Set as Follows:

- 6250' - 6350' = 30 sacks
- 6030' - 6130' = 30 sacks
- 4950' - 5050' = 35 sacks
- 3070' - 3170' = 30 sacks
- 2100' - 2250' = 45 sacks
- 1230' - 1330' = 30 sacks

50' across shoe of
surface casing = 30 sacks

30' plug at top of surface
casing w/ 20 sacks

instalar marker
Signed: Schertu

Date: 1-31-73

ARAPAHOE DRILLING CO.

P.O. BOX 2078 • FARMINGTON, NEW MEXICO 87401

JOHN E. SCHALK
MANAGING PARTNER

February 1, 1973

AREA CODE 505
TELEPHONE: 325-5018

Mr. Paul Burchell
State Of Utah
Department Of Natural Resources
1588 West North Temple
Salt Lake City, Utah 84116

Re: Ada Oil Company
Ada No. 1 Goodwin Federal
SE/4 Sec. 12, T-37S, R-23E
San Juan County, Utah

Dear Mr. Burchell:

Please find enclosed a copy of the following Sundry Notices required in Plugging the above captioned well:

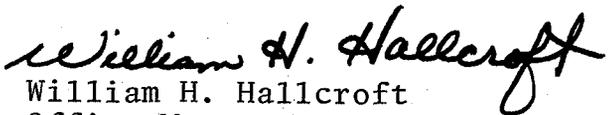
- (1) Notice Of Intention To Abandon
- (2) Subsequent Report Of Abandonment

The Original and two copies of this report have been filed with the U. S. Geological Survey in Durango, Colorado on this date.

We trust the enclosures will be found in order.

Yours very truly,

ARAPAHOE DRILLING CO.


William H. Hallcroft
Office Manager

WHH/dh

Enclosures

cc: Mr. Joe Lassiter, Jr.
Ada Oil Company
P. O. Box 844
Houston, Texas 77001

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

SUBMIT IN **DUPLICATE***
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER (ABANDONMENT)</p> <p>2. NAME OF OPERATOR ADA OIL COMPANY</p> <p>3. ADDRESS OF OPERATOR P. O. BOX 844 --- HOUSTON, TEXAS 77001</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' F.S.L., 850' F.E.L., SEC. 12, T-37S, R-23E</p> <p>14. PERMIT NO. _____</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. UTAH 4545</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____</p> <p>7. UNIT AGREEMENT NAME _____</p> <p>8. FARM OR LEASE NAME _____</p> <p>9. WELL NO. ADA NO. 1 GOODWIN FEDERAL</p> <p>10. FIELD AND POOL, OR WILDCAT WILDCAT</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 12, T-37S, R-23E</p> <p>12. COUNTY OR PARISH SAN JUAN 13. STATE UTAH</p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5948' GR</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 type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	
(Other) _____		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

THIS WELL WAS PLUGGED AND ABANDONED ON JANUARY 31, 1973 AS FOLLOWS:

PLUG NO.	CEMENT QUANTITY	FROM	TO	FEET
1	30 SX.	6250'	6350'	100
2	30 SX.	6030'	6130'	100
3	35 SX.	4950'	5050'	100
4	30 SX.	3070'	3170'	100
5	45 SX.	2100'	2250'	150
6	30 SX.	1230'	1330'	100
7	30 SX.	50' PLUG ACROSS SURFACE CASING SHOE @ 175'		
8	20 SX.	30' PLUG AT TOP OF SURFACE CASING		
TOTAL	250 SX.			

THIS LOCATION HAS BEEN INSPECTED BY THE U. S. GEOLOGICAL SURVEY AND BUREAU OF LAND MANAGEMENT. DUE TO ADVERSE WEATHER CONDITIONS, THIS LOCATION WILL BE CLEANED-UP AT A LATER DATE.

(A DRY HOLE MARKER HAS BEEN INSTALLED)

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

SIGNED William H. Hallcraft TITLE AGENT DATE 2-1-73

(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 THIS STATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER (ABANDONMENT)</p> <p>2. NAME OF OPERATOR ADA OIL COMPANY</p> <p>3. ADDRESS OF OPERATOR P. O. BOX 844 --- HOUSTON, TEXAS 77001</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' F.S.L., 850' F.E.L., SEC. 12, T-37S, R-23E</p> <p>14. PERMIT NO.</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. UTAH 4545</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME</p> <p>9. WELL NO. ADA NO. 1 GOODWIN FEDERAL</p> <p>10. FIELD AND POOL, OR WILDCAT WILDCAT</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 12, T-37S, R-23E</p> <p>12. COUNTY OR PARISH SAN JUAN</p> <p>13. STATE UTAH</p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5948' GR</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 type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <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.)*

THIS WELL WAS PLUGGED AND ABANDONED ON JANUARY 31, 1973 AS FOLLOWS:

PLUG NO.	CEMENT QUANTITY	FROM	TO	FEET
1	30 SX.	6250'	6350'	100
2	30 SX.	6030'	6130'	100
3	35 SX.	4950'	5050'	100
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5	45 SX.	2100'	2250'	150
6	30 SX.	1230'	1330'	100
7	30 SX.	50' PLUG ACROSS SURFACE CASING SHOE @ 175'		
8	20 SX.	30' PLUG AT TOP OF SURFACE CASING		
TOTAL	250 SX.			

THIS LOCATION HAS BEEN INSPECTED BY THE U. S. GEOLOGICAL SURVEY AND BUREAU OF LAND MANAGEMENT. DUE TO ADVERSE WEATHER CONDITIONS, THIS LOCATION WILL BE CLEANED-UP AT A LATER DATE.

(A DRY HOLE MARKER HAS BEEN INSTALLED)

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

SIGNED William H. Hallcraft AGENT DATE **2-1-73**

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

February 2, 1973

Ada Oil Company
Box 844
Houston, Texas 77001

Re: Well No. Ada-Goodwin Federal #1
Sec. 12, T. 37 S, R. 23 E,
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in as much as said well has been plugged and abandoned. If, in the future, a well is spudded-in prior to receiving the approval of this office, we will deem it necessary to request the Attorney General take the necessary legal action.

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

The API number assigned to this well is 43-037-30105.

Very truly yours,

DIVISION OF OIL AND GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd

cc: U.S. Geological Survey

March 27, 1973

Ada Oil Company
Box 844
Houston, Texas

Re: Ada-Goodwin No. 1
Sec. 12, T. 37 S, R. 23 E,
San Juan County, Utah

Gentlemen:

This letter is to advise you that the "Well Completion or Recompletion Report and Log" for the above referred to well is due and has not been filed with this office as required by our Rules and Regulations.

Please complete the enclosed Form OGC-3, "Well Completion or Recompletion Report and Log", in duplicate and forward them to this office as soon as possible.

Thank you for your cooperation in this request.

Sincerely,

DIVISION OF OIL & GAS CONSERVATION

SCHEREE DeROSE
SUPERVISING STENOGRAPHER

:sd

PI *[Handwritten initials]*

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name and Number #1 Goodwin Federal, API Number 43-037-30105

Operator Ada Oil Co., P. O. Box 844, Houston, Texas 77001

Address P. O. Box 844, Houston, Texas 77001

Contractor Arapahoe Drilling Co.

Address P. O. Box 2078, Farmington, New Mexico 87401

Location NE 1/4, SE 1/4, Sec. 12, T. 37 S., R. 23 E., San Juan County.

Water Sands: No flowing water sands encountered during drilling operations ✓

	<u>Depth:</u>		<u>Volume:</u>		<u>Quality:</u>
	<u>From -</u>	<u>To -</u>	<u>Flow Rate or Head -</u>		<u>Fresh or Salty -</u>
1.	_____	_____	_____	_____	_____
2.	_____	_____	_____	_____	_____
3.	_____	_____	_____	_____	_____
4.	_____	_____	_____	_____	_____
5.	_____	_____	_____	_____	_____

(Continue on Reverse Side if Necessary)

<u>Formation Tops:</u>				
Summerville	940 [±]	Organ Rock	3185 [±]	
Entrada	1045 [±]	Hermosa	4992 [±]	
Carmel	1219 [±]	Ismay	6085 [±]	
Navajo	1281 [±]	Desert Creek	6304 [±]	
Wingate	1920 [±]	Akah	6399 [±]	
Chinle	2160 [±]	Salt	6430 [±]	
Shinarump	2838 [±]	TD Driller	6436 [±]	
Moenkopi	2909 [±]	TD Schlumberger	6438 [±]	
DeChelly	3120 [±]			

- NOTE:
- (a) Upon diminishing supply of forms, please inform this office.
 - (b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (see back of this form)
 - (c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.

ADA OIL COMPANY

HOUSTON, TEXAS 77001

April 4, 1973

OIL & GAS
DIVISION

6910 FANNIN, P. O. BOX 844
748-1266

State of Utah
Division of Oil & Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

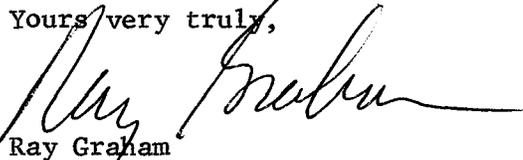
Re: Ada Oil Company
Goodwin-Federal No. 1 Well
San Juan County, Utah

Gentlemen:

In compliance with your letter dated March 27, 1973, we are forwarding you two copies of "Well Completion or Recompletion Report and Log" for Ada Oil Company's No. 1 Goodwin-Federal, San Juan County, Utah, which was completed as a dry hole in January, 1973.

Should additional information be required, please so notify.

Yours very truly,



Ray Graham
Production Clerk-Oil & Gas

RG/jm

Enclosures

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

Utah No. 4545

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

No. 1 Goodwin-Federal

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 12, T-37S, R-23E

12. COUNTY OR PARISH

San Juan Cty Utah

13. STATE

19. ELEV. CASINGHEAD

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
Ada Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 844 - Houston, Texas 77001

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

At surface, 1980 (1480) FSL, 850' FEL, Sec 12, T37S, R 23 E

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED 11/28/72

16. DATE T.D. REACHED 1/28/73

17. DATE COMPL. (Ready to prod.) 1/31/73

18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 5948' GL

20. TOTAL DEPTH, MD & TVD 6438'

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

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY ROTARY TOOLS 0-6438'

CABLE TOOLS

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

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
Dual Induction Laterlog, Compensated Neutron Log Formation Density

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
13-3/8"		175	17-1/4	200 sks	None

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)
None

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

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

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 Ray Graham TITLE Production Clerk DATE 4/4/73

*(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 38. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

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

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

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS	
FORMATION	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH
TOP	BOTTOM		TOP TRUN VERT. DEPTH
		Summerville	940
		Naraho	1281
		Oregon Rock	3185
		Hermosa	4992
		Ismay	6085
		Desert Creek	6304
		Akah	6399
		Salt	6430

APR 9 1973