FILE NOTATIONS

Entered in N I D File	✓	Checked by Chief	RLD
Entered on S R Sheet		Copy N I D to Field Office	
Location Map Pinned	✓	Approval Letter	✓
Card Indexed	✓	Disapproval Letter	
I W R for State or Fee Land			

COMPLETION DATA:

Date Well Completed	9-22-61	Location Inspected	11-9-61
OW	WW	TA	Bond released
GW	OS	PA ✓	State of Fee Land

LOGS FILED

Driller's Log 2-19-62

Electric Logs (No.) 2

E | I | E-I ✓ | GR | GR-N | Micro

Lat | Mi-L | Sonic ✓ | Others

July 12, 1961

U.S.G.S.
457 Federal Building
Salt Lake City, Utah

Attention: Mr. D. F. Russell

Re: Our AFE 1001
Lease U-012402-A
Govt.-DiCarlo #1 Well
Section 29-5S-21E
Uintah County, Utah

Gentlemen:

We submit in triplicate for your approval Notice of Intention to Drill the above referenced well.

Plugging and Drilling Bond in the amount of $5,000.00 has been prepared by U.S. Fidelity and Guaranty Company and will be forwarded under separate covering letter. If you should need any additional material for approval, please let us know.

Yours very truly,

KING-STEVENSON GAS and OIL COMPANY

ORIGINAL SIGNED BY
JACK E. TRIGG
Jack E. Trigg
Division Manager

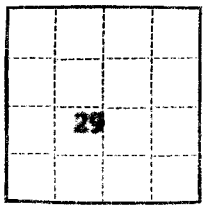
JET:sh

Encls.

cc: Mr. C. B. Feight

Form 9-331a
(Feb. 1951)

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office .....
Lease No. U-012402-A
Unit .....

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 12, 19 61

Well No. 1 is located 660 ft. from {N / ~~S~~} line and 660 ft. from {~~E~~ / W} line of sec. 29

NW NW Section 29 (¼ Sec. and Sec. No.) | 5 South (Twp.) 21 East (Range) | SLM (Meridian)

Wildcat (Field) | Uintah (County or Subdivision) | Utah (State or Territory)

The elevation of the derrick floor above sea level is 5404 ft. (est.) G.L. 5394 feet.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

It is proposed that approximately 350 feet of 9-5/8" 32# H-40 surface casing will be set and cemented with 250 sacks regular cement. 8-3/4" hole will be drilled to an approximate total depth of 7100 feet or 100 feet into the Mesaverde Formation.

Wasatch and Mesaverde will be objective formations expected to be encountered at 4500 feet and 6000 feet respectively.

In the event of commercial production, 5-1/2" J-55 15.50# casing will be set and cemented with 300 sacks Pozmix cement and formations selectively perforated.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company King-Stevenson Gas and Oil Company

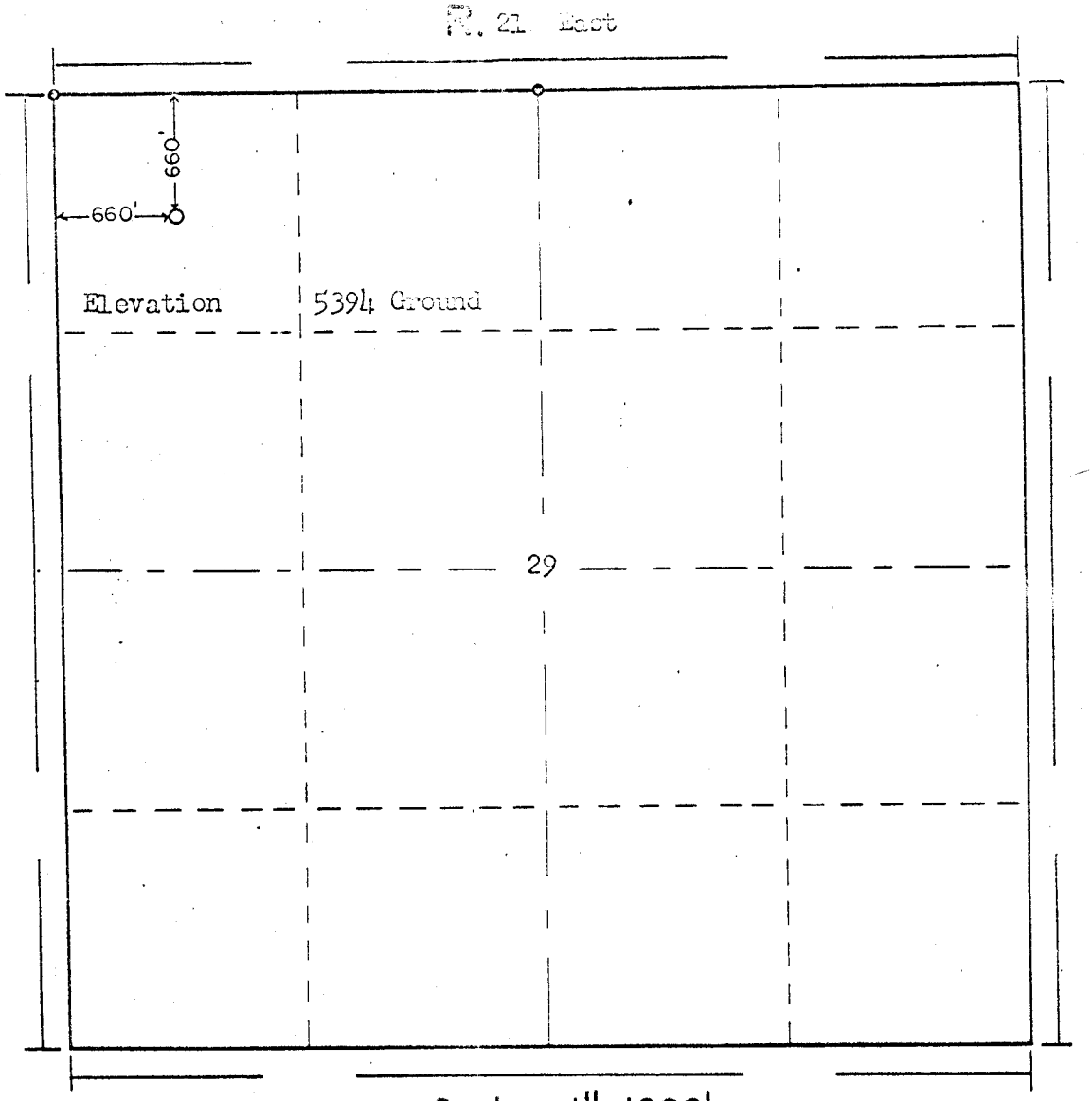
Address 2200 First National Bank Building

Denver 2, Colorado

By Jack E. Trigg

Title Division Manager

GPO 862040



Powers Elevation Company of Denver, Colorado has in accordance with a request from Mr. Jack E. Trigg for King-Stevenson Gas & Oil Company determined the Location of #1 Govt.-DiCarlo to be C NW NW Section 29 Township 5 South Range 21 East 6th Principal Meridian Uintah County, Utah

The above Plat shows the location of the well site in said section.

Powers Elevation Company

by: Registered Land Surveyor

Date: 7-3-61

July 14, 1961

King-Stevenson Gas & Oil Co.
2200 First National Bank Bldg.
Denver 2, Colorado

Attn: Jack E. Trigg, Div. Mgr.

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Govt.-DiCarlo #1, which is to be located 660 feet from the north line and 660 feet from the west line of Section 29, Township 5 South, Range 21 East, SLBM, Uintah County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT,
EXECUTIVE SECRETARY

CBF:sw
cc: Don F. Russell, Dist. Eng.
U. S. Geological Survey
Salt Lake City, Utah

WELL SUMMARY

Operator:	King-Stevenson Gas & Oil Company
Well:	Government-DiCarlo #1
Location:	NW NW Section 29, T5S, R21E Uintah County, Utah
Elevation:	5394' Gr. 5406' KB
Contractor:	Calvert Exploration
Rig Type:	IDECO H525
Commenced:	August 15, 1961
Completed:	September 27, 1961 Dry & Abandoned
Total Depth:	7265'
Lithology:	Kenneth D. Luff
Casing:	Surface 10 3/4" @ 299' with 175 saxs. #1 Ideal 2% HA5 with centralizer @ 282'.
Hole Size:	12 3/4" to 301'; 9" to 3880'; 8 3/4" to 7265'.
Cores:	None
Drill Stem Tests:	Two conventional, three wire line (See details).
Logging Services:	1. Portable Engineering Co.; one man mud logging unit. 1810' to 7265'. 2. Schlumberger Electric-Induction log 294' to 7220'. 3. Schlumberger Caliper-Microlatero log 3000' to 7209'. 4. Schlumberger Gamma Ray-Sonic log 294' to 7716'.
Plugging Procedure:	Plug #1 - 4900' - 5000' with 25 saxs. Plug #2 - 2900' - 3000' with 25 saxs. Plug #3 - 250' - 300' with 25 saxs. 6' x 4" iron pipe marker with 10 saxs. Plug in top of surface pipe.

FORMATION TOPS

	Sample	E-Log
Duchesne River	Surface	Surface
Uinta	1865 (+3541)	1888 (+3518)
Green River	3110 (+2296)	3105 (+2298)
Wasatch	5188 (+218)	5243 (+163)
Mesa Verde	6960 (-1554)	6947 (-1541)

CHRONOLOGICAL WELL HISTORY

8-14-61 Moving to location and rigging up rotary tools.

8-15-61 Rigging up; drilling rat hole and mouse hole; spudded at 6 AM with water and drilled 13 3/4" surface hole to 303'. (Footage 303')

8-16-61 Landed 10 3/4" J55 surface casing at 299' and cemented with 175 sacks of #1 Ideal 2% HA5; placed one centralizer @ 282'; WOC 12½ hours; nippled up.

8-17-61 Checked BOP; drilled 60° cement @ 4 AM and from underneath surface casing @ 6 AM; drilled to 953'. (Footage 650')

8-18-61 Drilled to 1670 with water; added Bennex and Drilling Detergent @ 1100'. (Footage 717')

8-19-61 Drilled to 2300° with water; started drilling rough @ 1865'; mud logger rigged up and logging at 1810°. (Footage 630')

8-20-61 Drilled to 2704°; Samples poor at times due to drilling with water-increased addatives to assist; minor pump trouble but pipe moved freely throughout down time. (Footage 404°)

8-21-61 Drilled to 3119° with water; no complications. (Footage 415°)

8-22-61 Drilled to 3449° with water; strapped pipe out on trip for no correction. (Footage 380°)

8-23-61 Drilled to 3714' with water; had show at 11 AM and decided to mud up hole before testing. Started out of hole to mud up at 2 PM. Cleaned pits, mixed mud and conditioned hole. (Footage 215°)

8-24-61 Circulated to condition hole; shale shaker motor under repairs limiting the ability to remove cuttings from washout; mud starting to condition hole by 12 AM. Made several short trips to determine the fill up rate; had 15' fill up in 30 minutes and 12' in 30 minutes. Could not stop fill up so at 1 PM decided to raise viscosity to 70 plus seconds to suspend cuttings and attempt DST. Strapped out of hole at 3 PM to attempt DST #1. Tried to open tool for DST at 10 PM but unsuccessful after five resets using up to 35,000 pounds on tool. Started out of hole at 10:30 PM. (An Eastman at 3795' revealed the hole to be off 4½°, so reason for malfunction was lack of direct weight on tool.)

8-25-61 Took tool to town and checked to find tool functioned properly on press at 25,000 pounds. Started back in hole with tool at 3 AM to attempt test. Tool opened at 6 AM so continued test till 11 AM. Going back with new bit at 12 AM; took 4 hours to wash to bottom of hole. Drilling mudded up at 5 PM. (Footage 81')
Mud: 8.7 lb wt 43 secs. visc. 7.0 cc WL

8-26-61 DRILLED TO 3962' WITH OIL EMULSION MUD; DISCOVERED HOLE DEVIATION HAD INCREASED TOO FAST. RAN TWO WIRE LINE SURVEYS DURING DAY ($4\frac{1}{2}^{0}$ AND $4\frac{1}{2}^{0}$.) (FOOTAGE 167')
MUD: 9.0 LB WT 39 SECS. VISC. 4.4 CC WL

8-27-61 DRILLED TO 4170' WITH OIL EMULSION MUD; REDUCED HOLE SIZE AT 4080° TO 8 3/4" TO HELP STRAIGHTEN HOLE. REDUCED WEIGHT ON BIT TO 25,000 POUNDS FROM 50,000 POUNDS. DEVIATION NEARING CONTRACT LIMIT. (FOOTAGE 208')
MUD: 8.9 LB WT 34 SECS. VISC. 5.2 CC WL

8-28-61 DRILLED TO 4304'; DEVIATION HOLDING AT $4\ 3/4^{0}$ WITH REDUCED WEIGHT; ATTEMPTED TWO WIRE LINE SURVEYS UNSUCCESSFULLY. (FOOTAGE 134')
MUD: 9.3 LB WT 35 SECS. VISC. 4.8 CC WL

8-29-61 DRILLED TO 4471°; DRILLING ROUGH AS IS CHARACTERISTIC OF THE GREEN RIVER FORMATION. (FOOTAGE 167°)
MUD: 9.3 LB WT 35 SECS. VISC. 5.2 CC WL

8-30-61 DRILLED TO 4651'; SAMPLE RETURNS OF POOR QUALITY SO RAISED VISCOSITY TO IMPROVE. HOLE DEVIATION LESSENING WITH LAST SURVEY READING 4^{0}. (FOOTAGE 180')
MUD: 9.3 LB WT 43 SECS. VISC. 5.4 CC WL

8-31-61 DRILLED TO 4802'; NO COMPLICATIONS. (FOOTAGE 151°)
MUD: 9.4 LB WT 42 SECS. VISC. 4.8 CC WL

9-1-61 DRILLED TO 4934'; PENETRATION SLOW WITH TWO BIT CHANGES DURING DAY. (FOOTAGE 132')
MUD: 9.2 LB WT 40 SECS. VISC. 4.0 CC WL

9-2-61 DRILLED TO 4992'; DROPPED TONG PIN IN HOLE ON TRIP IN WITH BIT #18. PUT K&G MAGNET ON TO RECOVER PIN; CAME OUT WITH RUN #1 AT 9 AM WITHOUT TONG PIN AND HAVING SEVERE DAMAGE TO MAGNET HEAD. MADE ANOTHER TRIP WITH RECOVERY OF PIN. MADE TRIP IN WITH BIT #18; STILL HAVE CUTTINGS FILL UP NECESSITATING WASHING TO BOTTOM ON EACH TRIP. (FOOTAGE 58')
MUD: 9.3 LB WT 48 SECS. VISC. 3.6 CC WL

9-3-61 DRILLED TO 5140'; HAD WEAK SHOW AT 7 PM BUT DID NOT CIRCULATE OUT. (FOOTAGE 148')
MUD: 9.4 LB WT 43 SECS. VISC. 3.8 CC WL

9-4-61 DRILLED TO 5231'; HAD CHANGE IN DRILLING CHARACTER AT 5188' WHICH COINCIDED WITH LITHOLOGY CHANGE; RESULTED IN WASATCH TOP. (FOOTAGE 91')
MUD: 9.5 LB WT 43 SECS. VISC. 3.2 CC WL

9-5-61 DRILLED TO 5334'; HAD MUD PUMP TROUBLE ALONG WITH OTHER RIG REPAIRS. STARTED USING DESANDER IN AN ATTEMPT TO REDUCE MUD WEIGHT. (FOOTAGE 103')
MUD: 9.4 LB WT 39 SECS. VISC. 4.0 CC WL

9-6-61 DRILLED TO 5455'; SHALE SHAKER MOTOR OUT FOR EIGHT HOURS WITH NO APPRECIABLE GAIN IN MUD WEIGHT. HAD SHOW AT 7 AM. (FOOTAGE 121')
MUD: 9.4 LB. WT 39 SECS. VISC. 4.0 CC WL

9-7-61 DRILLED TO 5607'; NO COMPLICATIONS. ATTEMPTS TO MAINTAIN MUD WEIGHT BELOW 9.0 LBS. UNSUCCESSFUL; DECIDED TO CONTROL MUD WEIGHT AROUND 9.5 LBS. WITH VISCOSITY BETWEEN 45-50 SECS. (FOOTAGE 152')
MUD: 9.5 LB WT 43 SECS. VISC. 3.8 CC WL

9-8-61 DRILLED TO 5763'; MADE GOOD PENETRATION WITH NO COMPLICATIONS. MUD WEIGHT STABILIZED. (FOOTAGE 156')
MUD: 9.5 LB WT 45 SECS. VISC. 3.4 CC WL

9-9-61 DRILLED TO 5938'; MADE GOOD PENETRATION DUE TO SEVERAL DRILLING BREAKS WITH NO SHOWS. (FOOTAGE 175')
MUD: 9.4 LB WT 43 SECS. VISC. 3.2 CC WL

9-10-61 DRILLED TO 6063'; PENETRATION RATE SLOWED BY CHERT AND PYRITIC SAND. (FOOTAGE 125')
MUD: 9.6 LB WT 45 SECS. VISC. 4.0 CC WL

9-11-61 DRILLED TO 6213'; HAD MINOR DESANDER AND SHALE SHAKER TROUBLE. HAD DRILLING BREAK AT 9 PM. (REFER TO SUMMARY OF OIL AND GAS SHOWS) (FOOTAGE 150')
MUD: 9.6 LB WT 44 SECS. VISC. 3.2 CC WL

9-12-61 DRILLED TO 6348'; DRILLING SLOW DUE TO CHERTY LITHOLOGY; HAD PUMP TROUBLES, CUT DRILLING LINE ON TRIP. STRAPPED OUT AT 6287' SHOWING 8' ERROR ON TOTAL DEPTH (6279'); DID NOT MAKE CORRECTION AS WOULD STRAP OUT AGAIN ON NEXT TRIP. DESANDER MOTOR BURNED OUT. (FOOTAGE 135')
MUD: 9.7 LB WT 41 SECS. VISC. 4.0 CC WL

9-13-61 DRILLED TO 6456'; DRILLED SLOW WITH NO COMPLICATIONS. (FOOTAGE 108')
MUD: 9.7 LB WT 45 SECS. VISC. 3.2 CC WL

9-14-61 DRILLED TO 6583'; NO COMPLICATIONS. MUD WEIGHT STARTING TO CLIMB. (FOOTAGE 127')
MUD: 9.8 LB WT 44 SECS. VISC. 3.6 CC WL

9-15-61 DRILLED TO 6726'; MAKING GOOD PENETRATION. NO CHANGE IN DRILLING CHARACTERISTICS TO SUPPORT POSSIBLE LITHOLOGY CHANGE. SOLIDS AND SAND CONTENT INCREASING MUD WEIGHT. (FOOTAGE 143')
MUD: 9.8 LB WT 44 SECS. VISC. 4.1 CC WL

9-16-61 DRILLED TO 6909'; MAKING FAST PENETRATION. MUD WEIGHT UP TO 10 POUNDS IN SPOTS; SAND AND SOLIDS CONTENT HIGH. STARTED JETTING PITS TO LOWER MUD WEIGHT. (FOOTAGE 183')
MUD: 9.9 LB WT 55 SECS. VISC. 3.8 CC WL

9-17-61 DRILLED TO 7088'; MAKING GOOD PENETRATION. POSSIBLE CHANGE IN DRILLING CHARACTERISTICS AT 6980'. DESANDER BACK ON LOCATION WITH DECREASE IN MUD WEIGHT; JETTED PITS PRIOR TO ARRIVAL. STRAPPED OUT ON TRIP AT 6918' WITH RECORDED TOTAL DEPTH OF 6909'; MADE 9' CORRECTION. STARTED CARRYING WEAK BACKGROUND ON MUD LOGGER DUE TO COAL IN SAMPLES. (FOOTAGE 179')
MUD: 9.8 LB WT 47 SECS. VISC. 4.1 CC WL

9-18-61 DRILLED TO 7149'; BEGAN DAYWORK AT 1:50 AM WHEN DEPTH OF 7100' REACHED. STRUNG UP EIGHT DRILLING LINES DURING TRIP. TRIP TIME PROLONGED DUE TO UNLEVEL RIG AND NEWLY SPOOLED DRILLING LINE. DRILLING SLOW; HAD SHOW AT 9 PM. (REFER TO SUMMARY OF OIL AND GAS SHOWS.) (FOOTAGE 61')
MUD: 9.8 LB WT 47 SECS. VISC. 4.2 CC WL

9-19-61 DRILLED TO 7214'; INCREASED BIT WEIGHT TO AID PENETRATION RATE BUT DEVIATION INCREASED. CREW LEVELING RIG. (FOOTAGE 65')
MUD: 9.7 LB WT 48 SECS. VISC. 4.0 CC WL

9-20-61 PTD 7214'; GOING IN HOLE WITH BIT #38 AT 2 AM BROKE JACK SHAFT AND TORE UP HIGH CLUTCH ON DRAW WORKS; SHUT DOWN WAITING ON PARTS WITH 14 STANDS IN HOLE. PLANE CHARTERING NEW SHAFT FROM BEAUMONT, TEXAS. (FOOTAGE 0')

9-21-61 PTD 7214'. PART ARRIVED AT NOON WITH REMAINDER OF DAY SPENT REPLACING SHAFT. (FOOTAGE 0')

9-22-61 DRILLED TO 7265'; WASHED 18' TO BOTTOM AFTER DOWN TIME. REDUCED WEIGHT ON BIT TO 35,000 POUNDS DUE TO DEVIATION PROBLEM; PENETRATION SLOW. CAME OUT OF HOLE TO CHANGE BIT #38; ON TRIP IN WITH BIT #39 A PORTION OF SURFACE PIPE FELL IN HOLE. WORKED PIPE TO BOTTOM BY 9:30 PM BEING 20' FROM PRIOR TOTAL DEPTH. ATTEMPTS TO DRILL UNSUCCESSFUL; DECIDED TO LOG. RELEASED MUD LOGGER. (FOOTAGE 51')
MUD: 9.9 LB WT 46 SECS. VISC. 4.0 CC WL

9-23-61 PTD 7265'; WAITING ON SCHLUMBERGER. RAISED VISCOSITY TO 55 SECS. AND STARTED OUT OF HOLE AT 10:30 AM. SCHLUMBERGER STARTED LOGGING AT 12:30 PM. DUE TO IRON IN HOLE AND FILL UP THEY ONLY REACHED 7221'.
MUD: 10 LB WT 62 SECS. VISC. 3.9 CC WL

9-24-61 PTD 7265'; SCHLUMBERGER FINISHED LOGGING AT 3 AM. WAITING ON ORDERS FROM DENVER. WENT IN HOLE TO 6300' TO CIRCULATE FOR WIRE LINE TESTING.

9-25-61 PTD 7265'; RAN SCHLUMBERGER WIRE LINE FORMATION TESTS #1, #2, #3. RERAN MICROLATERALOG FOR BETTER RESULTS. WIRE LINE TEST #3 STUCK IN HOLE; WAITING ON SPECIAL TOOL TO REMOVE TEST TOOL THROUGH DRILL PIPE; REMOVED TEST TOOL WITH NO COMPLICATIONS.

9-26-61 PTD 7265'; RAN CONVENTIONAL OPEN HOLE SIDE WALL ANCHORED DRILL STEM TEST. (DST #2)

9-27-61 RAN THREE CEMENT PLUGS FROM 4900'-5000', 2900'-3000', 250'-300'. WELL ABANDONED.

MIDNIGHT DRILLING DEPTHS

8-15-61	303	8-30-61	4651	9-14-61	6583
8-16-61	303	8-31-61	4802	9-15-61	6726
8-17-61	953	9-1-61	4934	9-16-61	6907
8-18-61	1670	9-2-61	4992	9-17-61	7088
8-19-61	2300	9-3-61	5140	9-18-61	7149
8-20-61	2704	9-4-61	5231	9-19-61	7214
8-21-61	3119	9-5-61	5334	9-20-61	7214
8-22-61	3499	9-6-61	5455	9-21-61	7214
8-23-61	3714	9-7-61	5607	9-22-61	7265
8-24-61	3714	9-8-61	5763	9-23-61	7265
8-25-61	3795	9-9-61	5938	9-24-61	7265
8-26-61	3962	9-10-61	6063	9-25-61	7265
8-27-61	4170	9-11-61	6213	9-26-61	7265
8-28-61	4304	9-12-61	6348		
8-29-61	4471	9-13-61	6456		

BIT RECORD

No.	Size	Make	Type	In	Out	Footage	Hours	Serial No.
1	13 3/4"	Smith	DT	Spud	303	303	12	Re tip
2	9"	"	"	303	673	370	11½	66296
3	9"	Smith	DT26	673	1185	512	13 3/4	68825
4	9"		"	1185	1876	691	19¼	68521
5	9"	"	"	1876	2396	520	17¼	68506
6	9"	Smith	SV2	2396	2805	409	19	64927
7	9"	"	"	2805	3182	377	16	63241
8	9"	"	"	3182	3511	329	14½	64911
9	9"	"	"	3511	3714	203	10	66376
10	9"	"	"	3714	3880	166	14½	64886
11	8 3/4"	"	"	3880	4080	200	14¼	67683
12	8 3/4"	"	"	4080	4203	123	14¼	67705
13	8 3/4"	"	"	4203	4349	146	14½	67748
14	8 3/4"	"	"	4349	4516	167	19¼	65998
15	8 3/4"	"	"	4516	4714	198	17½	67681
16	8 3/4"	"	"	4714	4829	115	16¼	53382
17	8 3/4"	"	"	4829	4934	105	13	59711
18	8 3/4"	"	"	4934	5044	90	15¼	69835
19	8 3/4"	"	"	5044	5175	131	15	59677
20	8 3/4"	"	"	5175	5231	56	11	69822
21	8 3/4"	"	T2	5231	5334	103	15½	65923
22	8 3/4"	Smith	SV2	5334	5426	92	13	69856
23	8 3/4"	Smith	C2	5426	5575	149	18½	57232
24	8 3/4"	Smith	SV2	5575	5699	124	16 3/4	69831
25	8 3/4"	"	"	5699	5833	134	14	63892
26	8 3/4"	"	"	5833	5972	139	14	69791
27	8 3/4"	"	"	5972	6063	91	10¼	63795
28	8 3/4"	Smith	C2	6063	6138	75	10½	63672J
29	8 3/4"	Smith	SV2	6138	6279	141	16¼	69810
30	8 3/4"	Smith	T2	6279	6389	110	15	63293
31	8 3/4"	"	"	6389	6456	67	10	65871
32	8 3/4"	Smith	C2	6456	6583	127	14¼	69879
33	8 3/4"	"	"	6583	6723	143	18½	69793
34	8 3/4"	Smith	SV2	6723	6908	183	18½	69804
35	8 3/4"	"	"	6908	7112	204	21 3/4	69853
36	8 3/4"	"	"	7112	7149	37	9	69757
37	8 3/4"	Smith	T2	7149	7214	65	14	65952
38	8 3/4"	Smith	C4	7214	7265	51	11 3/4	63464
39	8 3/4"	"	"	7265	7265	0	0	63457

STRAIGHT HOLE (TOTCO) SURVEYS

DEPTH	DEVIATION	PUMP PRESSURE	WEIGHT
189	1/2	200	20,000
303	3/4	200	30,000
673	1	200	40,000
1185	1 1/2	150	45,000
1860	1/4	150	50,000
2396	1 1/2	200	50,000
2805	1 3/4	300	50,000
3182	1 3/4	350	45,000
3511	2 1/2	350	50,000
3795 (WL)	4 1/2	350	20,000
3859 (WL)	4 3/4	400	25,000
3880	4 1/4	400	25,000
3951 (WL)	4 1/4	450	25-35,000
4045 (WL)	4 3/4	450	18-22,000
4080	4 3/4	450	20,000
4159 (WL)	5	500	25,000
4203	4 3/4	500	20,000
4353	4 3/4	550	27,000
4416	4	550	25,000
4476 (WL)	4 1/2	550	25,000
4516	4	550	25,000
4650 (WL)	4	550	40-50,000
4753	4 1/2	600	30,000
4829	4	600	25,000
4923	3 3/4	650	40,000
5040	3 3/4	600	45,000
5175	3 3/4	600	40-45,000
5334	4 1/4	600	45,000
5426	3 1/2	650	45,000
5575	3 1/4	650	45,000
5699	2 1/2	650	45,000
5833	2 1/4	675	45,000
5972	1 3/4	650	45-50,000
6279	2 1/4	650	50,000
6389	2	650	50,000
6456	2 1/4	650	50,000
6583	1 1/4	600	50,000
6726	1 3/4	600	50,000
6909	1 3/4	600	50,000
7150	3 1/2	600	50,000
7214	4 3/4	600	50,000
7265	4 3/4	600	35,000

* WL DENOTES WIRE LINE SURVEY

DAILY MUD CHARACTERISTICS

(As recorded by Magcobar Mud Engineer - Sam Wallen)

General Comment:

The hole was drilled from surface to 3714' with water carrying Drilling Detergent and Bennex. From 3714' to 7265' a low solids-oil emulsion drilling mud was used. At no time was any lost circulation encountered. This mud program gave excellent performance both economically and functionally.

Date	Depth	Type	Weight	Visc	Water Loss	pH	Sd%	Solid%	Oil%
8-24	3714	oil-emulsion	8.7	47	6	8.5	Tr	Tr	10
8-25	3840	"	8.7	43	7	7.6	Tr	2	10
8-26	3970	"	9.0	39	4.4	8.0	Tr	2	10
8-27	4092	"	8.9	34	5.2	8.5	1/8	4	10
8-28	4264	"	9.1	35	4.8	9.0	1/8	3	10
8-29	4375	"	9.3	35	5.2	8.5	Tr	3	10
8-30	4612	"	9.4	43	5.4	9.0	Tr	5	10
8-31	4753	"	9.2	42	4.8	9.0	1/2	5	7
9-1	4850	"	9.2	40	4.0	9.0	1/2	5	8
9-2	4952	"	9.3	48	3.6	9.0	1/4	5	9
9-3	5055	"	9.4	43	3.8	9.0	1/2	5	9
9-4	5214	"	9.5	43	3.2	9.0	1/4	6	9
9-5	5328	"	9.4	39	4.0	9.0	1/8	5	9
9-6	5416	"	9.4	39	4.0	9.0	1/8	5	9
9-7	5530	"	9.5	43	3.8	9.0	Nil	4	9
9-8	5670	"	9.5	45	3.4	9.0	1/4	5	9
9-9	5900	"	9.4	43	3.2	9.0	Tr	5	10
9-10	6014	"	9.6	45	4.0	9.0	1/2	6	9
9-11	6206	"	9.6	44	4.0	9.0	1/2	6	8
9-12	6350	"	9.7	41	4.0	8.5	1/2	7	8
9-13	6454	"	9.7	45	3.2	9.0	1/4	7	8
9-14	6503	"	9.8	44	3.6	9.0	1/2	8	8
9-15	6696	"	9.8	44	4.1	9.0	3/4	10	10
9-16	6812	"	9.9	55	3.8	9.0	3/4	10	10
9-17	7010	"	9.8	47	4.2	9.0	1	9	11
9-18	7132	"	9.8	47	4.2	9.0	3/4	8	10
9-22	7261	"	9.9	46	4.0	8.5	1	10	7
9-23	7265	"	10.0	62	3.9	8.5	3/4	10	8

SUMMARY OF OIL AND GAS SHOWS

1. GREEN RIVER FORMATION

THE GREEN RIVER FORMATION WAS ABNORMALLY LACKING IN SHOWS OF OIL AND GAS. THIS IS CONTRIBUTED MAINLY TO THE MINOR INTERBEDDING AND ABSENCE OF THE TYPICAL OIL SHALES OF THE LACUSTRINE GREEN RIVER. ~~GENERALLY, THE~~ BASAL GREEN RIVER SECTION FROM 4550 TO 5100 WAS THE ONLY INTERVAL CONTAINING ANY AMOUNT OF CONTINUOUS DEAD AND LIVE OIL STAINING. THE GENERAL LACK OF POROSITY AND GAS RECORDINGS DISCOURAGED TESTING OF MOST OF THE SHOWS.

IN THE UPPER GREEN RIVER, FROM 3644 TO 3667, A NET OF 15 FEET OF SAND WAS ENCOUNTERED. THE SAND WAS INTERBEDDED WITH SHALE THROUGHOUT. THE SANDSTONE WAS FINE TO COARSE, ANGULAR, POORLY SORTED, OF VARIABLE CALCAREOUS CEMENTATION GIVING ZONES OF POROSITY AND PERMEABILITY WHERE POORLY CEMENTED. MUCH OF THE SAMPLE WAS UNCONSOLIDATED DUE TO DRILLING WITH WATER. THE ZONES OF GOOD POROSITY CONTAINED GOOD LIVE BROWN OIL STAINING WITH A DULL FLUORESCENCE AND EXCELLENT CUT. THE TIGHT ZONES WERE NOT STAINED. THERE WAS NO RECORDED GAS ON THE MUD ANALYZER NOR ON SAMPLE AGGITATION, HOWEVER, OIL WAS BREAKING OUT AT THE MUD AND THE SAMPLES.

SINCE LOW GRAVITY OIL WAS RECOVERED ON DRILL STEM TESTS IN THIS GENERAL ZONE ON THE TWO NEARBY CARTER WELLS, A TEST WAS RUN ON THE SHOW ALTHOUGH IT SUGGESTED BEING WET. BECAUSE NO SIGNIFICANT SHOWS WERE EXPECTED AT THIS SHALLOW DEPTH, THE SAND WAS NOT CIRCULATED AND FURTHER PENETRATION WAS MADE DURING THE SAMPLE LAG. ALTHOUGH ANOTHER SANDSTONE BED WAS DRILLED DURING THIS LAG TIME, A STRADDLE TEST WAS NOT FELT NECESSARY DUE TO THE TIGHT NATURE OF THE LOWER SANDSTONE. FURTHERMORE, HOLE CONDITIONS DUE TO DRILLING WITH WATER, DID NOT ENCOURAGE A STRADDLE TEST. A DST OF THE INTERVAL 3643-3714 RECOVERED 3210 FEET SLIGHTLY OIL AND GAS CUT FRESH WATER.

IN THE BASAL GREEN RIVER SECTION TWO THIN SANDS FROM 5066-5070 AND 5085-5093 YIELDED LIVE OIL STAINING. THE FIRST SANDSTONE WAS FINE TO MEDIUM GRAINED, WELL SORTED, SUBANGULAR, WITH EXCELLENT FLUORESCENCE AND CUT BUT NO GAS WAS RECORDED, EITHER FROM THE HOT WIRE OR CHROMATOGRAPH INSTRUMENT. THE LOWER SAND YIELDED AN 8 UNIT RECORDING BUT ALL CONSTITUANTS WERE METHANE. THE SAND WAS FINE TO COARSE, LIGHT GRAY, POORLY SORTED, FAIR TO GOOD POROSITY, FRIABLE WITH FAIR CEMENTATION, FAIR TO GOOD LIVE BROWN OIL STAINING HAVING GOOD FLUORESCENCE AND CUT. GENERALLY THE SAND APPEARED WET AND THE METHANE GAS ANALYSIS SUPPORTED THIS INTERPRETATION. THE SHOW LOOKED VERY SIMILAR TO THE ZONE TESTED FROM 3643-3714.

2. WASATCH FORMATION

Only two significant shows were encountered in the Wasatch formation. The first was present from 5360-5380 with no gas recording on the hot wire detector and a very minor methane reading on the chomatograph. A test of the cuttings was no more encouraging. The sandstone was fine to conglomeratic, coarse to conglomeratic chert and quartz grains in a matrix of fine to medium grains; the matrix was with fair sorting, calcareous cementation; fair to good porosity and fair staining in the matrix, good fluorescence and cut. The oil stain looked slightly dead when wet but live on a dried sample. Since there was no recorded gas with the staining, and the saturation suggested a water wet character, the interval was not tested.

The second show was a sandstone from 6182-6202. The gas reading was of 12 units total gas which was all methane. The chromatograph varified this with a total methane detection. The sandstone was white, fine to coarse, dominantly medium grained, generally well sorted, subangular, slightly calcareous, dominantly unconsolidated, generally of fair porosity with streaks of excellent porosity, porous zones had fair to good saturation with heavy black oil giving a good blue to gold fluorescence and fair cut, appeared wet.

Since the recorded gas was very slight and all methane, plus the sample suggesting a wet character, the interval was not tested at the time. Subsequent mechanical log analysis questioned this interpretation and two wire line tests and a conventional drill stem test were run on the zone. The recovery was 4210 feet of slightly gas cut fresh water on the conventional test.

3. MESA VERDE FORMATION

Only a small portion of the Mesa Verde section was penetrated and the only well developed sandstone encountered contained what appeared to be a gas show. The sandstone was from 7104-7136 and displayed a reverse drilling break with some penetration near 30 minutes per foot. A 12 unit total gas recording was a slight increase over the typical Mesa Verde coal gas background carried from a depth of 7000. The gas was dominantly methane with a trace of ethane and propane. The sand was gray, salt and peppered due to fine angular black chert, the sand was fine, well sorted, subangular to angular, very calcareous, well cemented, friable to hard, tight to poor porosity due to cementation; no visible staining but some bright blue fluorescence with a fair to weak cut.

Considering the drilling rate and sample characteristics, the interval was felt to be generally tight but with possibilities of yielding gas. The section was not tested until mechanical log interpretations determined whether adequate porosity was present. A wire line test of the zone recovered a very small amount of gas.

DRILL STEM TESTS

DST #1 - 3643-3714 - Double Packer 5/8" BHC

Initial shut in - 30 minutes
Tool open - 120 minutes
Final shut in - 30 minutes

Opened with good blow continuing for one hour then decreasing to a weak blow at end of test. Recovered 3210' of fluid of which 450' was oil, gas and water cut drilling mud, and 2760' of gas cut fresh water with a good rainbow of oil throughout.

IHP	1651	FHP	1635
ISIP	1435	FSIP	1432
IFP	729	FFP	1416

WIRE LINE TEST #1

6190 - one shot tool with 20,400 cc. chamber

Tool open 40 minutes

Recovered 20,000 cc. water (6 ohms resistivity) assumed to be filtrate water and 3½ cubic feet of flamable gas. This volume of gas would calculate out to approximately 1 MMCFGPD.

SIP	2225 psi
FP	100 psi
SP	1800 psi
HP	2875 psi

WIRE LINE TEST #2

6233 - one shot tool with 10,200 cc. chamber

Tool open 15 minutes

Recovered .3 cubic feet of flamable gas with 200 cc. filtrate water (2.6 ohms resistivity).

SIP	2225 psi
FP	75 psi
SP	0 psi
HP	2285 psi

24-5s-21e

WIRE LINE TEST #3

7122 - ONE SHOT TOOL WITH 10,200 CC. CHAMBER

TOOL OPEN 15 MINUTES

RECOVERED .4 CUBIC FEET OF FLAMABLE GAS WITH NO FLUID RECOVERY.

SIP	800 PSI
FP	75 PSI
SP	0 PSI
HP	3300 PSI

DST #2 - 6190-6244 - DOUBLE PACKERS; OPEN HOLE SIDE WALL ANCHOR TOOL - 3/4" BHC

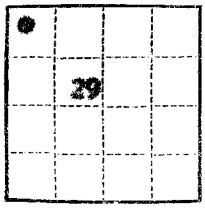
INITIAL SHUT IN - 30 MINUTES
TOOL OPEN - 60 MINUTES
FINAL SHUT IN - 30 MINUTES

OPENED WITH FAIR BLOW DECREASING TO WEAK BLOW AT THE END OF TEST.
RECOVERED 4210' OF FLUID OF WHICH 540' WAS SLIGHTLY GAS CUT MUD,
450' GAS AND MUD CUT WATER, AND 3220' GAS CUT WATER.

IHP	3185	FHP	3185
ISIP	2550	FSIP	2500
IFP	680	FFP	1850

Form 9-331a
(Feb. 1951)

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. 012402-A
Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	X
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 16, 19 61

Well No. 1 is located 660 ft. from {N/S} line and 660 ft. from {E/W} line of sec. 29

NW NW Section 29 (¼ Sec. and Sec. No.) 5 South (Twp.) 21 East (Range) SLM (Meridian)

Wildcat (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5404 ft. G.L. 5394 feet.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

This well has been abandoned as a dry hole. 8 3/4" hole has been filled with heavy mud. Cement plugs have been set as follows:

25 sacks at top of Wasatch formation - 3000'
25 sacks at top of Green River formation - 3000'
25 sacks in and out of surface casing - 299'
10 sacks in top of surface casing

4" x 10' surface marker has been erected showing well name, operator and description, 6' in cement and 4' above ground.

Pits have been filled, location cleaned up and restored to original contour.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company King-Stevenson Gas and Oil Company

Address 2200 First National Bank Bldg.

Denver 2, Colorado

By [signature]

Title Division Manager

GPO 862040

February 2, 1962

King-Stevenson Gas & Oil Co.
2200 First National Bank Bldg.
Denver 2, Colorado

Attn: Jack E. Trigg, Div. Mgr.

Re: Well No. Gov't-Dicarlo #1,
Sec. 29, T. 5 S., R. 21 E.,
Uintah County, Utah

Gentlemen:

This letter is to advise you that the well log for the above mentioned well is due and has not as yet been filed with this office as required by our rules and regulations.

Please complete the enclosed Forms OGCC-3, "Log of Oil or Gas Well", in duplicate and forward them to this office as soon as possible. Legible copies of the U. S. Geological Survey Form 9-330 may be used in lieu of our forms.

Copies of all electric and radioactivity logs that may have been run should also be filed with this office.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

ANN W. GLINES,
RECORDS CLERK

AWG:kpb
Enclosures: (3)

KING-STEVENSON GAS AND OIL COMPANY First National Bank Building, Denver 2, Colorado KEystone 4-7661

February 16, 1962

Oil & Gas Conservation Commission
The State of Utah
310 Newhouse Building
Salt Lake City 11, Utah

Attention: Miss Ann W. Glines

RE: #1 Government-DiCarlo
NW NW Sec. 29-5S-21E
Uintah County, Utah

Gentlemen:

We are enclosing two copies of Log of Oil and Gas Well, two copies of Induction-Electrical Log and two copies of Sonic Log covering above referenced well.

This should complete your file on this well, but if anything further is needed, please advise.

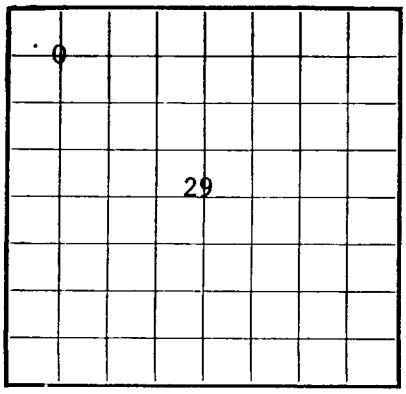
Very truly yours,

KING-STEVENSON GAS AND OIL COMPANY

Jack E. Trigg
Division Manager

JET/ji
enc:

Form OGCC-3



LOCATE WELL CORRECTLY

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

Salt Lake City, Utah

To be kept Confidential until _____
(Not to exceed 4 months after filing date)

LOG OF OIL OR GAS WELL

Operating Company King-Stevenson Gas & Oil Address 2200 First National Bank Bldg. Denver 2, Colorado

Lease or Tract United States - DiCarlo Field Wildcat State Utah

Well No. 1 Sec. 29 T. 5S R. 21E Meridian SLM County Uintah

Location 660 ft. {N./S.} of N Line and 660 ft. {E./W.} of W Line of Sec. 29 Elevation 5404' (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed _____

Date February 14, 1962 Title Division Manager

The summary on this page is for the condition of the well at above date.

Commenced drilling August 15, 1961 (Spud date same) Finished drilling September 27, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from None to _____ No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from None to _____ No. 3, from _____ to _____

No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
10 3/4	32#	8	Y	299'	HOWCO	None			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	299	175	HOWCO		

MARK

FOLD

PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....

Adapters—Material ..... Size .....

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 7265 feet, and from ..... feet to ..... feet

Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

DATES

Date P & A September 27, 1961 Put to producing ....., 19.....

The production for the first 24 hours was ..... barrels of fluid of which .....% was oil; .....% emulsion; .....% water; and .....% sediment. Gravity, °Bé. .....

If gas well, cu. ft. per 24 hours ..... Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. .....

EMPLOYEES

Dean Bechtold, Driller Bill Clapp, Driller

C. T. Medlin, Driller James Morris, Toolpusher ~~Driller~~

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			At the end of complete Driller's Log add Geologic Tops. State whether from Electric Logs or samples. Electric Log
0	1888	1888	Duchesne River Sand & Conglomerate
1888	3105	1217	Uinta Sand & Shale
3105	5243	2138	Green River Sand & Shale
5243	6947	1704	Wasatch Sand & Shale
6947	7265	318	Mesa Verde Sand & Shale

[OVER]

February 19, 1962

King-Stevenson Gas & Oil Co.
2200 First National Bank Bldg.
Denver 2, Colorado

Attn: Jack E. Trigg, Div. Mgr.

Re: Well No. Gov't-Dicarlo #1,
Sec. 29, T. 5 S., R. 21 E.,
Uintah County, Uaah

Gentlemen:

We would like to thank you for sending the electric logs and the well log in on the above mentioned well; however, we are returning the well log for you to complete. When completing this report, please include the specific spud date and the specific date the well was plugged and abandoned.

Your prompt attention to the above request will be very much appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

KAREN BERGMAN,
RECORDS CLERK

KPB
Enclosure