

HALLIBURTON SERVICES
JOB SUMMARY

FORM 2012 R-1

HALLIBURTON
DIVISIONHALLIBURTON
LOCATIONBILLED ON
TICKET NO.

WELL DATA

FIELD Willcat SEC. 17 TWP. 22S RANG. 901 COUNTY SAN JUAN STATE N.M.

FORMATION NAME Gallup TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____

	NEW USED	SIZE	FROM	TO	WEIGHT	MAXIMUM PSI ALLOWABLE
CASING		4 1/2	0	3842	10.5	19.50
LINER						
TUBING						
OPEN HOLE						TOTAL DEPTH:
PERFORATIONS						SHOTS/FT.
PERFORATIONS						SHOTS/FT.
PERFORATIONS						SHOTS/FT.

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>10-20-75</u>	DATE <u>10-20-75</u>	DATE <u>10-20-75</u>	DATE <u>10-20-75</u>
TIME <u>0800</u>	TIME <u>0900</u>	TIME <u>1425</u>	TIME <u>1453</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Ferry</u>	<u>2911 Bism</u>	
<u>Harris</u>	<u>3316 HT</u>	
<u>Harris</u>	<u>8372 ST</u>	
<u>Smith</u>	<u>8531 Chem</u>	
<u>Irish</u>	<u>9501 HT</u>	
<u>Eschliman</u>		
<u>Buras</u>	<u>8540 Sand</u>	
<u>Kearns</u>	<u>8540 Sand</u>	

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API

DISPL. FLUID _____ DENSITY _____ LB/GAL. API

PROP. TYPE Sand SIZE 10-20 LB. 50,000

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE 100% HCl GAL. 500 % 12

ACID TYPE _____ GAL. _____ % _____

ACID TYPE _____ GAL. _____ % _____

SURFACTANT TYPE 100% 10 GAL. 44 IN 44,000

HE AGENT TYPE _____ GAL. _____ IN _____

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN _____

GELLING AGENT TYPE WG-6 GAL.-LB. 900 IN 100,000

FRIC. RED. AGENT TYPE DM-1 GAL.-LB. 400 IN 100,000

BREAKER TYPE _____ GAL.-LB. _____ IN _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFAC BALLS TYPE RCN 1/2 QTY. 50

OTHER ROL 75 000 2% 10 44,000

OTHER _____

DEPARTMENT ANT

DESCRIPTION OF JOB Sand water pump

JOB DONE THRU: TUBING ☐ CASING ☒ ANNULUS ☐ TBC./ANN. ☐CUSTOMER REPRESENTATIVE X Hanning S. P. P.HALLIBURTON OPERATOR P. P. COPIES REQUESTED 1

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIONAL	YIELD CU. FT./SK.	MIXED LBS./GAL.

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM 1950

AVERAGE 1800 FRACTURE GRADIENT _____

SHUT-IN: INSTANT 1050 5-MIN. 000 15-MIN. 000

HYDRAULIC HORSEPOWER

ORDERED 2 UTs AVAILABLE 2400 USED 1765

AVERAGE RATES IN BPM

CREATING 40 DISPL. 40 OVERALL 40

PREFLUSH: DBL-GAL. _____ TYPE _____

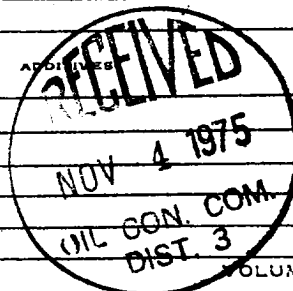
LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. 3000

TREATMENT: BBL-GAL. 38750 DISPL: BBL-GAL. 5000

CEMENT SLURRY: BBL-GAL. _____

TOTAL VOLUME: BBL-GAL. _____

REMARKS



HALLIBURTON SERVICES JOB LOG

TICKET NO. 114922

CUSTOMER B. C. O

PAGE NO. 1

JOB TYPE SAND WATER TEST

DATE 10-20-75

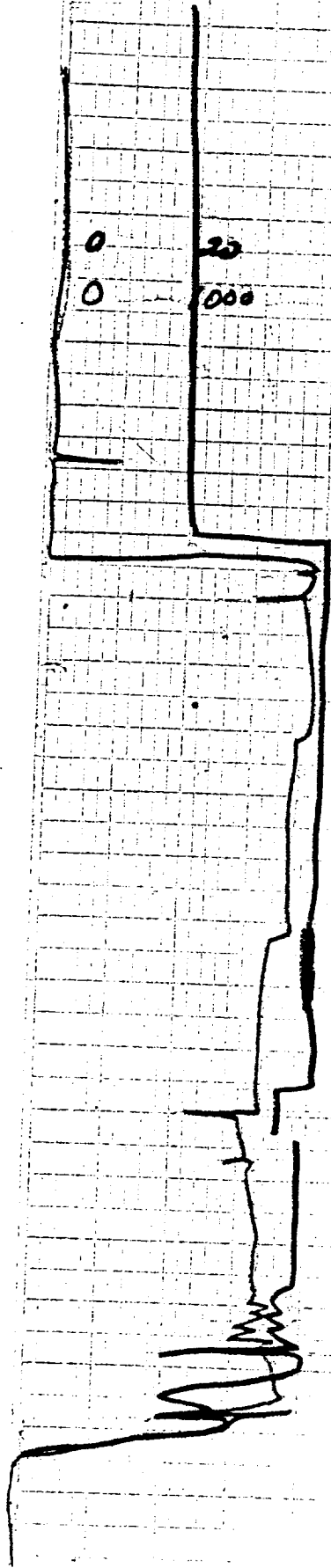
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CHART NO.	TIME	RATE (BPM)	VOLUME (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1	1425		500		1		0	acid
2		38	3200		4		1250	PAID
3	1430	40	0		4		1250	SAND $\frac{3}{4}$ " #
4	1431	38	1700		4		1700	SAND 1" #
5	1433	38	5180		4		1700	1 $\frac{1}{2}$ " #
6			7300		4		1700	SAND 1 $\frac{1}{2}$ " #
7		38	9500		4		1600	1 $\frac{1}{2}$ " #
8		36	12300		4		1550	
9	1435	40	13800				1650	
10		40	19600				1700	Ball (25)
11	1441	40	22100				1850	Ball HIT
12	1447	40	30000				1850	Down Ball
13		40	32800				1950	Ball HIT
14	1450	40	36500				1900	SAND 1 $\frac{1}{2}$ "
15	1453	40	38700				1900	SAND IN
		40	3000				1000	Flush
							1050	1510
							950	5 MIN
							725	10 MIN
							900	15 MIN

Thank you
10-20-75

E. L. Fed
 B.C.O.
 BOX 669
 Santa Fe, N.M.
 114942 10/20/75

0	20	40	60	80	100
0	1000	2000	3000	4000	5000



Flush	
Sand-in	15
PEEMIX Sand 1 1/2#	2
X Ball Hit	43
Drop balls	12
Ball hit	7
Ball25	10
Sand 1 1/2#	7
Sand	7
Sand 1 1/2#	7
Sand 1 1/2#	6
Sand 1 1/2#	5
Sand 1#	4
Sand 3/4#	10
Pad	

Acid