

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1434.

5. LEASE DESIGNATION AND SERIAL NO.

LC 029392 (B)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

HINKLE "B" FEDERAL

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

SHUGART

11. SEC., T., R., M., OR E&K. AND
SURVEY OR AREA

27-18 S - 31 E

12. COUNTY OR PARISH

EDDY

13. STATE

N MEX

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 ☐2. NAME OF OPERATOR
WESTALL - MASK3. ADDRESS OF OPERATOR
DRAWER 1477, ROSWELL NM 882014. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1650 FROM SOUTH - 1650 FROM EAST

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

3640 GR

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

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

DRILLED 3640-4000

RECEIVED

MAY 5 1975

RECEIVED

G. D. G.
GEOLOGICAL SURVEY

MAY - 2 1975

12/5 SET PACKER 3920

3945-47-49-60-62-64-66-74-77-80-83- 11 HOLES FRAC

38 1/2 BBLs WATER, 1000 GAL 15% XF 63

12/7 3342-46-50-54-60-62-64-66-68-70-74-78-3418-28-68-70-80-3594-96-98-3602-06

22 HOLES FRAC 960 BBLs WATER, 46,500 LBS 20/40 SAND, 25 GAL L-47 SCALE

24 BBLs 7 1/2% ACID

INHIBITOR

RUN RODS AND TUBING

8 5/8 28# SET AT DEPTH 667

300 SKS CEMENT

5 1/2 14.62# SET AT DEPTH 3989

300 SKS CEMENT

2 3/8 EUE SET AT DEPTH 3920

TOTAL DEPTH DRILLED 3989

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

SIGNED

Jack Mask

TITLE CO-OWNER

DATE

4.29.75

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

RECEIVED

1917

NOV 14 1917

RECEIVED

1917

NOV 14 1917

STIMULATION TREATMENT REPORT

DOWELL DIVISION OF THE DOW CHEMICAL COMPANY

DATE

12-5-74

DOW-664-J PRINTED IN U.S.A.

WELL NAME AND NUMBER

Hinkle Federal 4-B

LOCATION

FORMATION

Grayburg Sandstone

STATE

New Mexico

CUSTOMER REPRESENTATIVE

Mr. Gerald Westall

TREATMENT NUMBER

05-13-6342

ALLOWABLE PRESSURE

TBG: 3000 CSG: 3000

ESUITY

Acidize

TYPE OF SERVICE

CUST. NAME

Westall & Mask

ADDRESS

Box 1477
Roswell,

CITY

STATE & ZIP CODE

New Mexico 88201

REMARKS:

JOB DONE DOWN

TUBING CASING ANNULUS

A B C

TYPE OF WELL

OIL GAS WATER INJ.

A B C D

AGE OF WELL

NEW WELL REWORK

A B

CASING SIZE CASING DEPTH

5 1/2" 15' 4' 000'

LINEAR SIZE LINEAR DEPTH

2 3/8" 3920'

PACKER TYPE PACKER DEPTH

VTC 3920'

OPEN HOLE CSG. OR ANHL. VOL.

TBG VOLUME

15 1/4

STATIC BHT.

PERFORATED INTERVALS

DEPTH	NO. OF HOLES	DEPTH	NO. OF HOLES	DEPTH	NO. OF HOLES
3945		3964		3983	
3947		3966			
3949		3974			
3960		3977			
3962		3980			

FOR CONVERSION PURPOSES 24 BBLs EQUALS 1000 GALLONS

ARRIVED ON LOCATION: 0915

TIME	INJECTION		PRESSURE		SERVICE LOG
	RATE	BBLs IN	CSG.	TBG.	
					Hookup lines - ck Equip. Hold Safety Meeting - wait on Unit
					Hook To Tbg.
1145	2 1/2	2	0	300	Pump 2 bbls Acid.
1146			P	300	Switch To H ₂ O - Spot Acid - 3983-3900'
	13 1/2	13 1/2	E		Shut Down Unit Pull 2 Jts Tbg.
			W		Set Packer C 3920'
1206				1500	Start H ₂ O - Shut Down - Add weight To Packer
1215				2000	Pressure Bleeding slow - hesitate To bk
1217				2500	Pressure To 1500psi - Increase To 2500psi
1219				2500	Pressure To 1400psi - " " 2500psi
1238					Couldn't Attain Pk. Release Pressure - Open Packer
1239	2	1 1/2		300	Pump Acid To Spot - Shut Down Set Packer
1248		1 1/5		300	Packer Set - Start Acidizing
1252		1 1/8		3000	Attained Pk.
1253	1/2			2250	Pressure Reading
1254	3/4			1750	" "
1255		20		1500	" "
1259	1 1/4	1 1/4		1000	Acid Pumped - Switch To Flush
1300	2 1/2	2		1250	Pressure Reading
1314	2 1/2	2 5/8		1250	Flushed Over Flush Complete - Shut Down

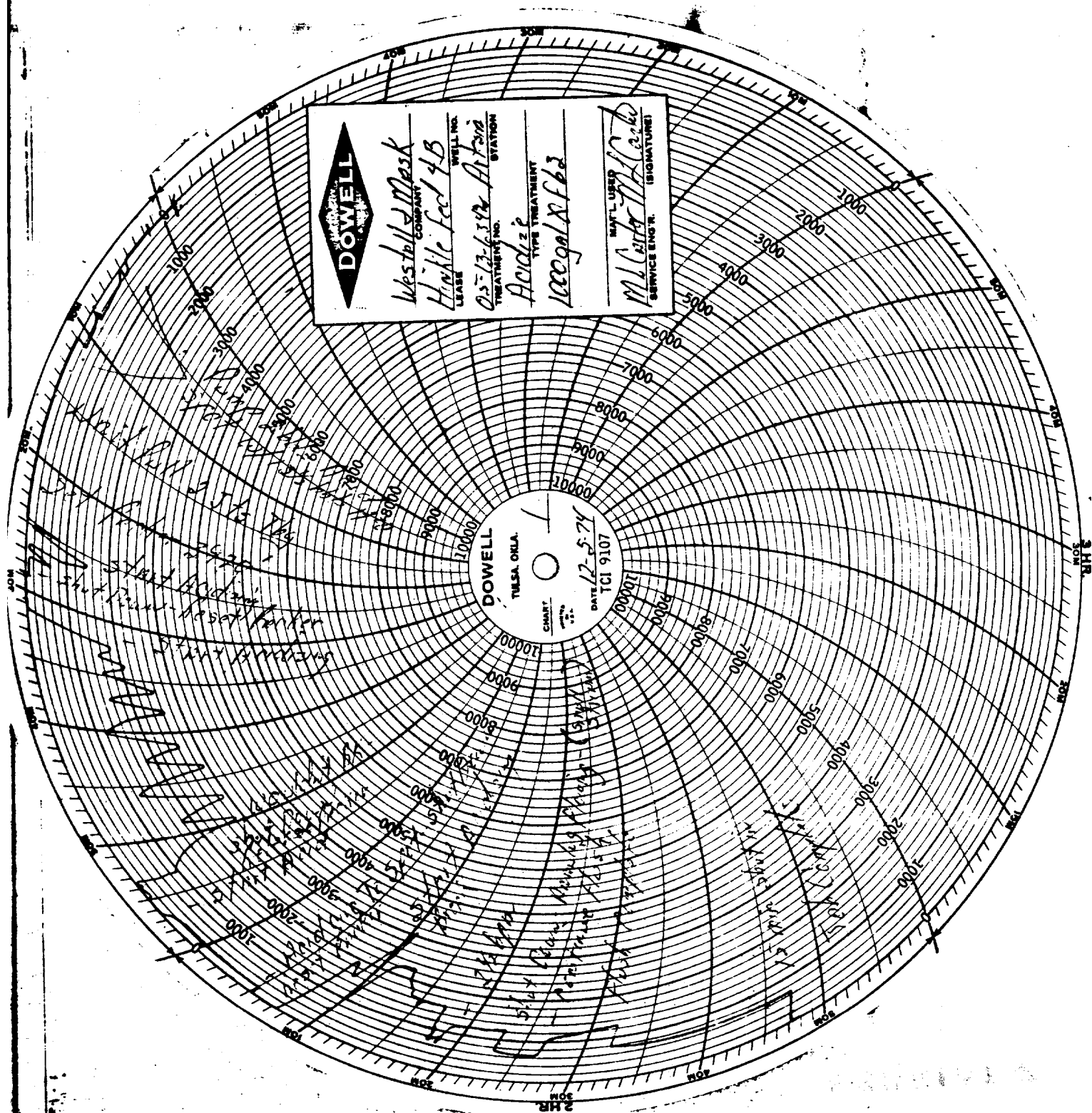
Load: Acid - 24 BBLs
Water - 38 1/2
Total 62 1/2

TIME LEFT LOCATION	AVG. LIQUID INJ. RATE	ADJ. RATE (SOLIDS INC.)	TOTAL FLUID PUMPED	PROPS AND LIQUIDS INJECTED
1405			OIL 38 1/2	TYPE SIZE OR PURPOSE AMOUNT
MAX. PRESSURE	AVG. PRESSURE	FINAL PUMP IN PRESSURE	SHUT IN PRESSURE	XF63 1570 1000 gal
3000	1250	1250	IMMEDIATE 800 15 MINUTES 650	
DOWELL LOCATION	DOWELL ENGINEER	CUSTOMER	PROD. BEFORE TREATMENT	PROD. AFTER TREATMENT
Altosia, N.M.	Mike Carter	CONSIDERED	TEST ALLOWABLE	TEST ALLOWABLE
CALL BACK	CUSTOMER REP. CONTACTED	SERVICE	TEST ALLOWABLE	TEST ALLOWABLE

1000 1000

1000 1000

1000 1000

[illegible]

STIMULATION TREATMENT REPORT

DOWELL

DATE

12-07-74

DWL-484-J PRINTED IN U.S.A.

DOWELL DIVISION OF THE DOW CHEMICAL COMPANY

WELL NAME AND NUMBER Hinkle F.d. 4-B	LOCATION Permaset Queen	CUSTOMER REPRESENTATIVE Garell W. Hall	TREATMENT NUMBER 05-13-6343
COUNTY Shufart	STATE New Mexico	JOB DONE DOWN TUBING ☒ CASING ☒ ANNULUS ☐	ALLOWABLE PRESSURE TBC: 3000 CSG: 3000
TYPE OF SERVICE Fracturing		TYPE OF WELL OIL ☒ GAS ☐ WATER ☐ INJ. ☐	
CUST. NAME Westall & MASH		AGE OF WELL NEW WELL ☒ RERWORK ☐	TOTAL DEPTH 3900
ADDRESS P.O. Box 1477		CASING SIZE 5 1/2" 15"	CASING DEPTH 3900
CITY, STATE & ZIP CODE Roswell, New Mexico 88201		LINEAR SIZE 2 3/4"	LINEAR DEPTH 3606
REMARKS:		OPEN HOLE 92.8	CSG. OR ANNUL. VOL. 11.0
		TBC VOLUME 11.0	STATIC BHT.

FOR CONVERSION PURPOSES 24 BBLs EQUALS 1000 GALLONS

TIME	INJECTION		PRESSURE		SERVICE LOG
	RATE	BBLs IN	CSG.	TBG.	
					ARRIVED ON LOCATION: 0700
0908	2				Hold Safety Meeting, lay lines, Test Equip
0912	20/				START FW. VIA TBC. TO CIRCULATE
0915	8/28				Hold CIRCULATING START 300 gal. x F63 Acid to spot
0916	6/321				All Acid starts F.W. to spot Acid
1056					Align on spot start DOWN-WATER UNIT to pump 1/2
1059	20/				TEST LINES
1102	20/				Start Pad to Break Down
1104	20/				Formation Break. switch to acid
1108	90/132				All acid switch to Pad
1111	120/250				All Pad starts 1/2" 20/100 SAND
1114	120/250				All 1/2" START 1" 20/100 SAND
1122	240/410				All 1 1/2" START 2" 20/100 SAND
1128	160/732				All 2" START 1-47 IN 2" SAND
1132	170/882				All 2" SAND START FVSH
1135	100/982				All FVSH ISIP = 1500
					15 = 1375

TIME LEFT LOCATION 1300	AVG. LIQUID INJ. RATE 28.4	ADJ. RATE (SOLIDS INC.) 35.8	TOTAL FLUID PUMPED OIL 1500 WATER 1375	PROPS AND LIQUIDS INJECTED		
MAX. PRESSURE 4300	AVG. PRESSURE 1900	FINAL PUMP IN PRESSURE 2000	SHUT IN PRESSURE IMMEDIATE 1500 15 MINUTES 1375	TYPE 3% x F-63 (1.5) 1-47 20/100 Sand 7 1/2% 11"	SIZE OR PURPOSE Prop. flush Seal. flush Prop. A.	AMOUNT 960 75 gal. 16.500 21.600
DOWELL LOCATION Artesia, New Mexico				DOWELL ENGINEER J. R. Homrich		
CALL BACK	CUSTOMER REP. CONTACTED	CUSTOMER CONSIDERED SERVICE	SATISFACTORY UNSATISFACTORY UNKNOWN	PROD. BEFORE TREATMENT ☐ TEST	PROD. AFTER TREATMENT ☐ ALLOWABLE	TEST ALLOWABLE



DOWELL DIVISION OF DOW CHEMICAL COMPANY

RECORDED SERVICE

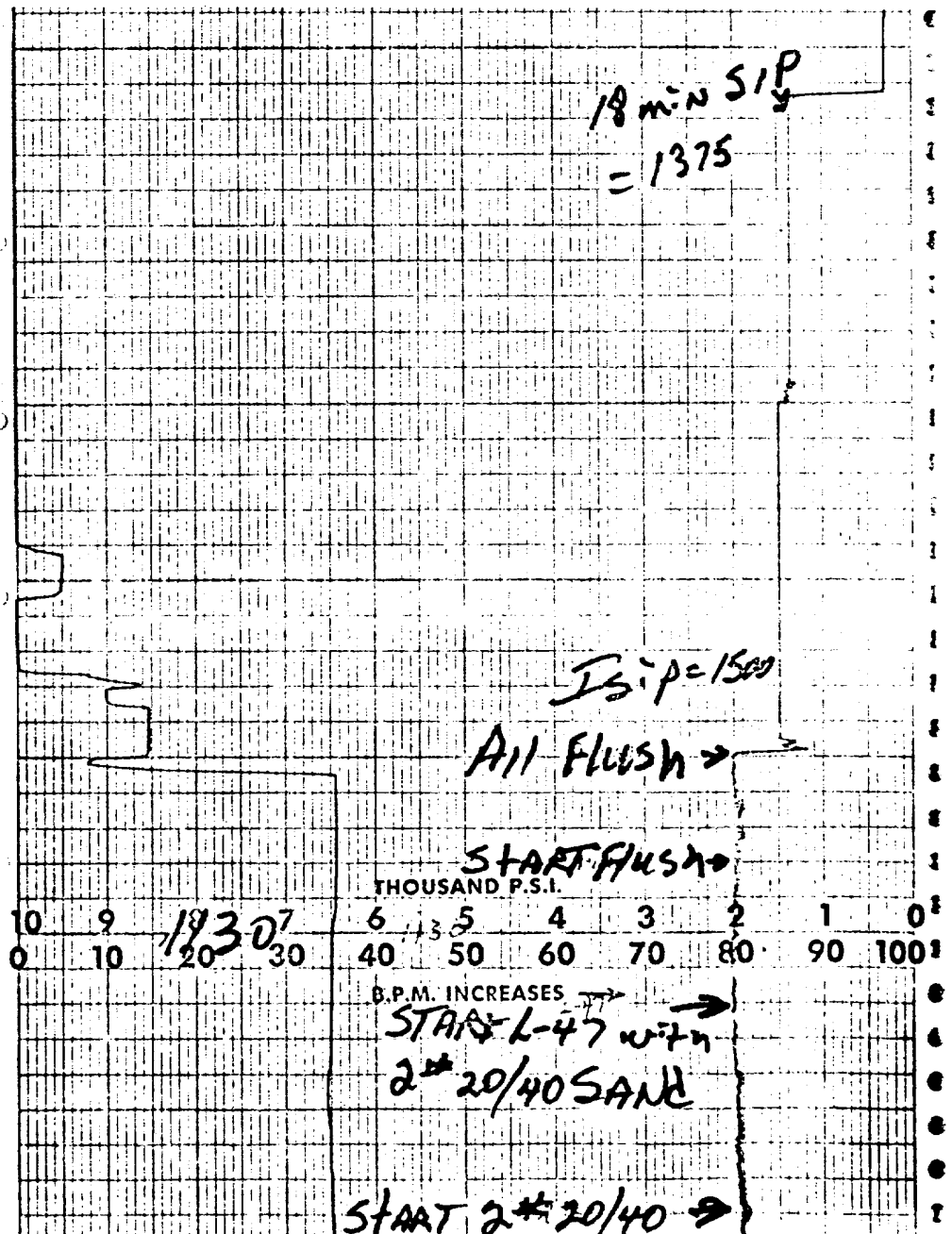
TREATMENT NO. 05-13-6343

TYPE OF SERVICE Fracturing

DATE 12-07-74

OWNER <u>Westall and Mas N</u> OWNER'S REPRESENTATIVE <u>Carol R. Westall</u>	WELL NAME AND NUMBER <u>Hinkle Federal 4-B</u> SERVICE ENGINEER <u>J. R. Hemmick</u>
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REMARKS:



START 1/2" 20/40 SAND

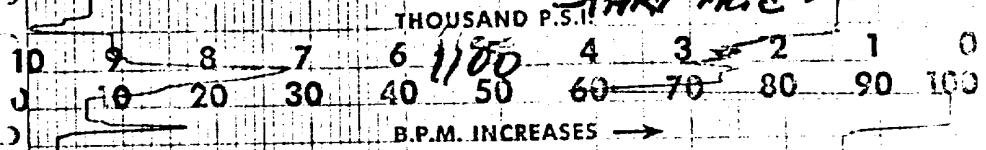
START 1 1/2" 20/40 SAND

START 1" 20/40 SAND

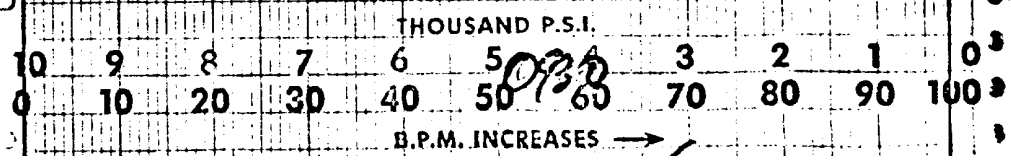
Rak adjust. → START 1/2" 20/40 SAND

AIR LOCK PUMP START FPD

START A.C. →



1056 TEST LINES

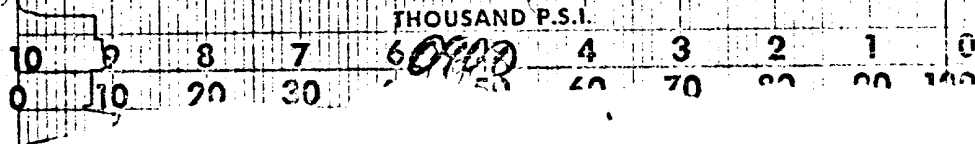


WAIT ON UNIT 10
PULL 1 BG.

FIX FLUSH - ACID DON SPOT
ACID START FLUSH →

START ACID TO SPOT →

START F.W. TO CIRCULATE



03 41 32 H

28 272

2.00

CEMENTING SERVICE REPORT

WELL NO. Well Federal #48		LOCATION-POOL-FIELD Surgett		RIG NAME: WEX	
JOB NO. 11-22-74		WELL DATA 9380			
DRILLER Mike Carter		HOLE SIZE 7 7/8"		CASING 5 1/2"	
STATE New Mexico		DEPTH 4000		SIZE-WEIGHT 15.5	
TIME Vestal & Mark		☐ CABLE		LENGTH 4037	
ID		ENST		GRADE K55	
ADDRESS P.O. Box 1477		ENLT		THREAD 8.75	
Roswell, N.M.		ENCT		CAPACITY 96.8	
SPECIAL INSTRUCTIONS		MUD: TYPE SALT BASE		WT. VISC.	
ZIP CODE		SHOE FLOAT TYPE		STAGE TOOL TYPE	
		DEPTH		DEPTH	
		TYPE Linkin float shoe		TYPE N/A	
		DEPTH 4000		DEPTH	

☐ TBG		☐ D.P.		HEAD & PLUGS		SQUEEZE JOB	
SIZE		☐ DOUBLE		TOOL TYPE		DEPTH	
WEIGHT		☒ SINGLE		SWAGE		TAIL PIPE IN. FT.	
GRADE		☐ KNOCCKOFF		PERF		IN. FT.	
THREAD		☐ NEW ☐ USED		TOP ☐ R ☐ W		TO	
DEPTH		BOT ☐ R ☐ W		OTHER		TO	
CAPACITY						TO	

ESSURE LIMIT	PSI	BUMP PLUG TO	PSI	MIN
ROTATE	RPM	☐ RECIPROCAT	FT	☐ CENTRALIZERS NO

TIME	PRESSURE		VOLUME PUMPED	INJECT. RATE	SERVICE LOG DETAIL
	TBG. OR D.P.	CASING			
355	300				Hookup lines - OK Eqpmt - Hold Safety Meeting - Wait on Rig Install Head - Rig Like Switch line to Powell Pump Pump H2O Ahead Start Mixing Cement All Mixed - Shut Down Wash out Pump & line Release Alert - Start Disp Bump Plug (Pressure 1100 PSI Prior to Bumping Plug) OK Plug - Holding OK L.V. Csg. OK Job Complete
357	300	10			
1410					
412	250				
430	1400	98 1/2			

REMARKS

COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
SYSTEM CODE	NO. OF SACKS	YIELD CU. FT./SK		VOL.	WT.
I.	300	1.32	CLASS "C" 4 1/2 #/SK 044		141.9
II.					
III.					

RECKDOWN FLUID	WT.	SACKS MIXED 300	PUMPED 300	PRESSURE MAX: 1400	MIN: 250
RESISTANCE SO.	☐ RUNNING SO.	CIRCULATION LOST	☐ YES ☒ NO	CEMENT CIRCULATED TO SURF.	☐ YES ☒ NO
RECKDOWN	PSI/FINAL	PSI	CEMENT LEFT IN PIPE: - 0 -	FT.	
ASKED THRU	☐ YES ☐ NO	TO	FT	MEASURED ☒ DISPLACEMENT ☐ WIRELINE	☒ AS PLANNED ☐ UNAVOIDABLE
TYPE OF WELL	☐ OIL ☐ STORAGE ☐ BRINE/WATER ☐ GAS ☐ INJECTION ☐ WILDCAT	CUSTOMER REPRESENTATIVE		DOES CUSTOMER CONSIDER SERVICE:	
		D.L. Vestal		☐ SATISFACTORY ☐ UNSATISFACTORY ☐ UNKNOWN	

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U.S. AIR FORCE
HONOLULU, HAWAII

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