3F-A-2 9-49

WT-NM	State "T" #1	Denton - Devonian	Lea	New Mexico
Province	Lease—Tract—Well No.	Field—Pool—Producing Zone	County	State

DRILL STEM TESTS

	1	2	3	4
Drill Stem Test No.	3-3-51	3-4-51	3-7-51	3-11-51
Date	HOWCO	HOWCO	HOWCO	HOWCO
Name of Test Tool	8" Formation	8" formation	8" formation	8" formation
Kind of Packer	9140	9184	9334	9365
Depth of Hole	9039	9137	9224	9440
Depth—Bottom of Packer	Wolfcamp	Wolfcamp	Wolfcamp	Wolfcamp
Name—Formation Tested	9039-9140	9137-9184	9224-9334	9440-9365
Interval Tested (If Open Hole, so State; or if Perforated casing, Give Top and Bottom of Perforations)	None	None	None	None
Water Load	5/8" 1"	5/8" 1"	5/8" 1"	5/8" 1"
Chokes (Bottom and Top)	2 hrs 45 min	1 hr	1 hr	2 hrs.
Total Length of Time Tool Open	Once	2 15 & 45 min	2	Once
No. of Times & Elapsed Time Tool Opened Each Attempt				
Surface Reaction: Type and Elapsed Time	Imed St blow	v/wk blow	v/wk blow	Wk to farily st.
(1) Air	To surf 8 min	None	None	Surf in 100 min
(2) Gas				
(3) Water Load (Specify if Charged with Oil or Gas)	1 hr 54 min	None	None	None
(4) Drilling Mud (Specify if Cut with oil, Gas and/or Water)	Oil in 117 min	None	None	None
(5) Oil/Gas (Estimate or Guage Quantity; % B. S. & /or water)	None	None	None	None
(6) Water (Specify kind and if cut with Oil and/or Gas or B. S.)				
Recovery Fluid in Feet from Drill Pipe	None	None	None	None
(1) Water Load	450' O/cut	10' drlg mud	174' sl OGCut	90'OGC cut drlg
(2) Mud	None	None	None	180' free oil
(3) Oil and Gas	None	None	None	
(4) Water—Kind? (i.e. Salt or Sulphur, Fresh, etc.)	2175	0	25	100-175
BHP Flowing	3310	0	355	3320
BHP Shut In	39.4 BO/hr	None	None	None
Rate Flow Oil and Gas	.2% BSW	None	None	None
Gas/Oil Ratio BS & W				

REMARKS: (Should Indicate Reaction after Tool Closed and While Coming out of Hole. Specify.)

DRILL STEM TESTS

	5	6	7
Drill Stem Test No.	3-19-51	3-22-51	3-23-51
Date	HOWCO	HOWCO	HOWCO
Name of Test Tool	8" formation	8" formation	8" formation
Kind of Packer	10,285	10,470	10,470
Depth of Hole	10,250	10,370	10,380
Depth—Bottom of Packer	Wolfcamp	Mississippian	Mississippian
Name—Formation Tested	10250-10285	10370-10470	10380-10470
Interval Tested (If Open Hole, so State; or if Perforated casing, Give Top and Bottom of Perforations)	None		1500'
Water Load	5/8" 1"	&	5/8" 1"
Chokes (Bottom and Top)	45 min	PACKER	10 min
Total Length of Time Tool Open	2 45 & 20 min	FAILED	5-10 "
No. of Times & Elapsed Time Tool Opened Each Attempt			
Surface Reaction: Type and Elapsed Time	v/weak blow	NO TEST	v/weak blow
(1) Air	None		None
(2) Gas	None		None
(3) Water Load (Specify if Charged with Oil or Gas)	None		None
(4) Drilling Mud (Specify if Cut with oil, Gas and/or Water)	None		None
(5) Oil/Gas (Estimate or Guage Quantity; % B. S. & /or water)	None		None
(6) Water (Specify kind and if cut with Oil and/or Gas or B. S.)			
Recovery Fluid in Feet from Drill Pipe	None		1500'
(1) Water Load	90' drlg		450' drlg
(2) Mud	None		None
(3) Oil and Gas	None		None
(4) Water—Kind? (i.e. Salt or Sulphur, Fresh, etc.)	0		600
BHP Flowing	0		0
BHP Shut In	None		None
Rate Flow Oil and Gas	None		None
Gas/Oil Ratio BS & W			

REMARKS: (Should Indicate Reaction after Tool Closed and While Coming out of Hole. Specify.)

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Above Correct—Signature Norman McCan

Title

Date

IT IS RECOMMENDED THIS INFORMATION BE COMPILED ON DERRICK FLOOR AND ORIGINAL BE PERMANENTLY RETAINED IN WELL RECORD.

Page No. ____ of ____ Pages

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WT-NM	State "T" #1	Denton (Devonian) Lea, New Mexico
Province	Lease—Tract—Well No.	Field—Pool—Producing Zone County State

DECLINATION TESTS

Depth	Deviation	Depth	Deviation	Depth	Deviation	Depth	Deviation	Depth	Deviation
180	¼	4000	2 3/4	5140	1¼	6296	1	7167	2
276	¼	4128	2¼	5277	1	6330	1¼	7238	1 3/4
575	¼	4223	2¼	5445	1¼	6410	3/4	7309	1¼
1000	¼	4368	2	5540	1¼	6500	¼	7425	1 3/4
1470	¼	4500	2¼	5660	3/4	6678	1	7461	1 3/4
2000	¼	4654	2	5785	1	6820	2	7545	1 3/4
2933	¼	4801	1	5880	1	6930	2	7570	1¼
3490	1 3/4	4930	1¼	6010	1	7010	1 3/4	7657	1¼
3577	1 3/4	5028	1	6132	3/4	7078	2	7690	1¼

SAFETY JOINT

Make	R.-L. Thd. or Shear Pin	Weight To Shear	Depth Set

CORE REFERENCE DETAILS
"Daily Drilling or Remedial History (3B-459)"

Core No.	Page No.	Core No.	Page No.	Core No.	Page No.	Core No.	Page No.	Core No.	Page No.	Core No.	Page No.	Core No.	Page No.	Core No.	Page No.	Core No.	Page No.	Core No.	Page No.	Core No.	Page No.	Core No.	Page No.

BOTTOM HOLE PRESSURE: DATUM

Date	Pressure	Date	Pressure	Date	Pressure	Date	Pressure	Date	Pressure

ELECTRICAL OR OTHER LOGGING OR SPECIAL TESTING DATA (Including surveys)

Date	Kind	From	To	Date	Kind	From	To
1/25/51	Howco Caliper Log	294'	4597				
3/6/51	Schlumberger Elect. Log	4605	9327				
5/18/51	Schlumberger Elect. Log	9324	12724				
5/18/51	Howco Caliper Log	4610	12700				
5/21/51	Howco Temperature	8500	12568				
5/25/51	Worth Wells - Temp.	6000	9173				
5/29/51	Lane Wells Radioactivity	2000	12662				

EQUIPMENT: Supply "Pumping Record (3B-432-B)" or "Gas Lift Installation (3B-587)" Where Applicable

Date	Item	Test Pres.	Make	Dwg. No.	Serial No.	Date Removed	Reason
	"Pickup Joint: Size and Thread"						
	Tubing Head						
	Braden Head						
	Casing Head						
	Flow Line Size & Length		Wells in Same Line (Nos.)				
	Separator (Make)		Wells in Same Separator (Nos.)				
	Battery No.	Number and Size:	Wood	Capacity;	Steel	Capacity; Total	Capacity on Lease
	Wells in this Battery (By the Numbers)						

IMPORTANT: Compile in every applicable detail and forward IMMEDIATELY on completion of new well attached to the final "Daily Drilling or Remedial History" (3B-459). OLD WELLS: Where "Inhole" work is done, compile form in every applicable detail from time of original completion, including present work. All cumulative data MUST be included as space permits. Indicate pertinent information which cannot be covered in the body of the form in space below, including removals from proration schedule—"Date, Supplement, Length of Time Off (in das.), Barrels of Production Lost, Date Returned to Production." Give condition "BEFORE" and "AFTER" on remedial operations. (The Accurate Compilation of the Record is Invaluable).

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Above Correct—Signature(s) _____ For Drilling Section

_____ For Petroleum Engineering

June 12, 1951

Norman Allen
Superintendent

____of____Pages (Use Reverse Side "Tumble Fashion" for Additional Space)

B-459-A-4 9-49

WT-NM	State "T" #1	Denton - Devonian	Lea	New Mexico
Province	Lease—Tract—Well No.	Field—Pool—Producing Zone	County	State

DECLINATION TESTS

Depth	Deviation	Depth	Deviation	Depth	Deviation	Depth	Deviation	Depth	Deviation
7755	1	8740	2½	9265	2½	9635	3	10210	2
7850	1	8800	2½	9300	2½	9715	2½	10280	2½
7940	1½	8855	2	9360	2½	9780	2-3/4	10345	1½
8036	3/4	8967	2½	9395	2	9845	2-3/4	10390	1½
8100	1½	8990	2	9430	2	9920	2½	10465	1
8267	1-3/4	9045	2½	9472	1½	9975	2-3/4	10530	1
8321	1-3/4	9120	2	9490	2	10045	2-3/4	10615	1
8525	2	9171	2½	9560	2	10120	2½	10755	1
8609	2	9205	2½	9590	1½	10150	2½	10835	1

SAFETY JOINT

Make	R.-L. Thd. or Shear Pin	Weight To Shear	Depth Set

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"Daily Drilling or Remedial History (3B-459)"

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	Braden Head						
	Casing Head						
	Flow Line Size & Length		Wells in Same Line (Nos.)				
	Separator (Make)		Wells in Same Separator (Nos.)				
	Battery No.	Number and Size:	Wood	Capacity;	Steel	Capacity; Total	Capacity on Lease
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Dates _____ Above Correct—Signature(s) _____ For Drilling Section

_____ For Petroleum Engineering

Norman Allen
Superintendent