



OPERATIONS LOG

COMPANY: C.W. TRAINER
LEASE: GRAMA RIDGE "8" STATE # 1
FIELD (FORMATION): (MORROW)
COUNTY: LEA
STATE: NM

TEST TYPE: FOUR POINT

ENGINEER: C.W. TRAINER
FIELD REP: EVERT GUTIERREZ
JOB RUN BY: F. COONCE/T. LEGENDRE
DATA PREPARED BY: JOSE ALMENGOR
INSTRUMENT: PPS-1306

DATE	TIME	DWG	OPERATIONS LOG - JOB NUMBER: 70207
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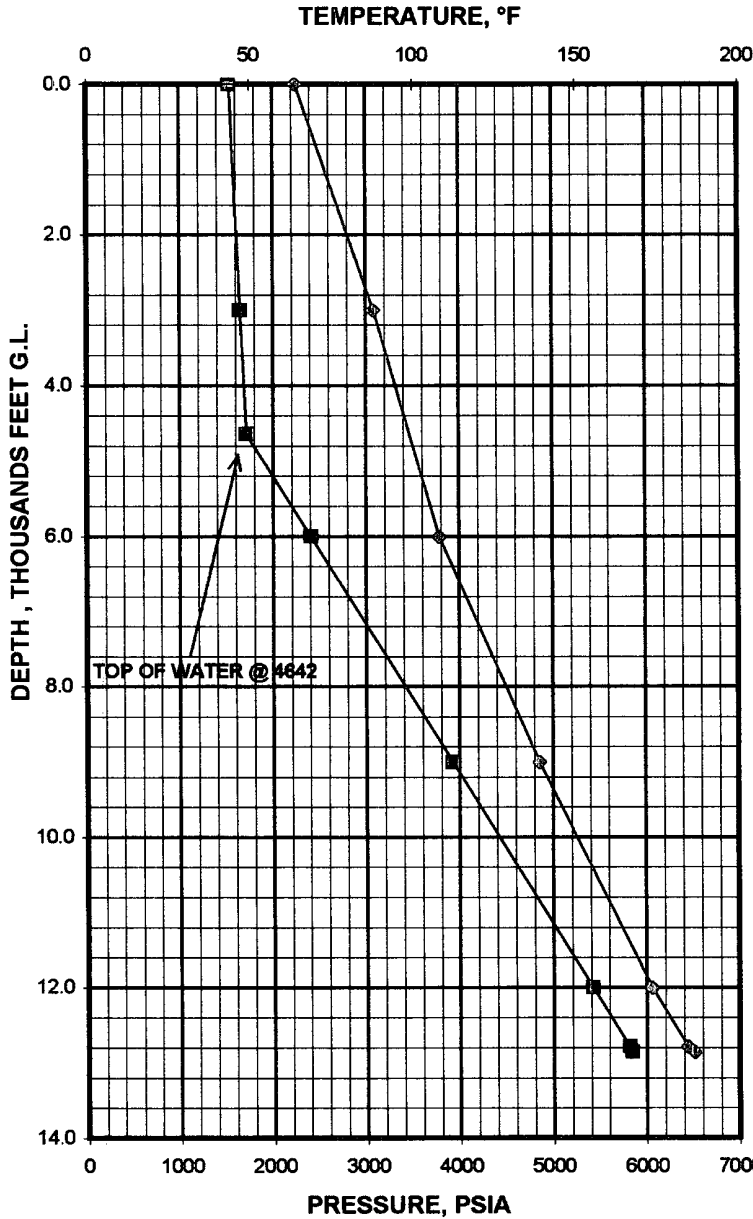
1/5/06 11:00:00 AM			ARRIVED ON LOCATION
1/5/06 11:16:00 AM			STARTED GAUGE PPS-1306 FOR TEST
1/5/06 11:24:00 AM	1497		OPENED WELL TO LUBRICATOR / BEGAN STATIC GRADIENT STOPS
1/5/06 12:34:00 PM			ON BOTTOM WITH GAUGES @ 12855' / CALLED COMPANY REP. TO GET CORRECT WELL INFO
1/5/06 01:00:00 PM			PULLED GAUGES TO 12500'
1/5/06 01:15:00 PM			BEGAN 4-PT - 1ST RATE @ 18/64" CHOKE
1/5/06 02:00:00 PM			WELL DIED
1/5/06 02:05:00 PM			OFF BOTTOM WITH GAUGES / BEGAN GRADIENT STOPS
1/5/06 03:22:00 PM			IN LUBRICATOR WITH GAUGES
1/5/06 03:30:00 PM	998		OPENED WELL TO FLOW THROUGH CASING
1/5/06 03:45:00 PM	695		FLOWING THROUGH CASING
1/5/06 04:00:00 PM	305		FLOWING THROUGH CASING
1/5/06 04:15:00 PM	250		FLOWING THROUGH CASING / STARTED PRODUCING WATER
1/5/06 04:30:00 PM	250		FLOWING THROUGH CASING / PRODUCING WATER
1/5/06 04:30:00 PM			SHUT WELL IN TO RE-TEST THE FOLLOWING DAY
1/6/06 09:45:00 AM			ON LOCATION
1/6/06 10:00:00 AM	405		BEGAN 4-PT - 1ST RATE @ 10/64" CHOKE

DATE	TIME	DWG	OPERATIONS LOG - JOB NUMBER: 70207
1/6/06	10:15:00 AM	381	1ST RATE
1/6/06	10:30:00 AM	345	1ST RATE
1/6/06	10:45:00 AM	331	1ST RATE
1/6/06	11:00:00 AM	328	END 1ST RATE - STARTED 2ND RATE @ 12/64"
1/6/06	11:15:00 AM	293	2ND RATE
1/6/06	11:30:00 AM	278	2ND RATE
1/6/06	11:45:00 AM	261	2ND RATE
1/6/06	12:00:00 PM	259	END 2ND RATE - STARTED 3RD RATE @ 16/64"
1/6/06	12:15:00 PM	203	3RD RATE
1/6/06	12:30:00 PM	183	3RD RATE
1/6/06	12:45:00 PM	180	3RD RATE
1/6/06	01:00:00 PM	178	END OF 3RD RATE - STARTED 4TH RATE @ 20/64"
1/6/06	01:15:00 PM	119	4TH RATE
1/6/06	01:30:00 PM	99	4TH RATE
1/6/06	01:45:00 PM	84	4TH RATE
1/6/06	02:00:00 PM	79	END OF 4TH RATE / END OF TESTING



WELL GRADIENT SHEET

COMPANY C.W. TRAINER LEASE GRAMA RIDGE "8" STATE WELL NO. 1
 FIELD _____ COUNTY LEA STATE NM
 FORMATION MORROW SHUT IN DATE & TIME _____ HOURS SHUT IN _____
 TEST DATE 1/5/2006 TIME 13:06 WELL STATUS STATIC JOB NUMBER 70207



MEAS. DEPTH FEET G.L.	TRUE DEPTH FEET G.L.	TEMP. °F	PRESSURE PSIA	GRADIENT PSI/FT
0	0	64.0	1531.98	
3000	3000	88.0	1651.11	0.0397
6000	6000	108.2	2404.59	0.2512
9000	9000	138.7	3925.05	0.5068
12000	12000	173.0	5418.74	0.4979
12783	12783	183.9	5811.85	0.5021
12855	12855 SN	186.1	5842.63	0.4274

Elev. K.B. -	G.L. -
Pressure Datum	
Tubing	Depth 2
S.N.	Depth 12865
Casing	7 Depth 11550
Perforations	12452-13514
Total Depth	PBTD 13430
Casing Pressure	1497
Tubing Pressure	
Instrument No.	PPS-1306
Run By	F. COONCE/T. LEGENDRE
Calculated By	JOSE ALMENGOR

WELL TEST DATA

Company: C.W. TRAINER

Lease: GRAMA RIDGE "8" STATE

Well #: 1

Field:

County: LEA

State: **NEW MEXICO**

Job #: 70207

Operator(s): F. COONCE/T. LEGENDRE

Date(s): 1/05/2006 - 1/06/2006

METER INFORMATION				
Type	Line Size	Pres. Range	Diff. Range	Conn. Type
POSITIVE CHOKE				

FLUID PROPERTIES		
Gas Gravity	Oil Gravity	Water Gravity
0.684		

OIL TANK		WATER TANK	
Size, bbl	Factor bbl/inch	Size, bbl	Factor bbl/inch

SAMPLES RETRIEVED		
Gas	Oil	Water
X		

[illegible]

WELL TEST RESULTS

Company: C.W. TRAINER

County: LEA

Lease: GRAMA RIDGE "8" STATE

State: NEW MEXICO

Well #: 1

Job #:

Dates:

Operator: F. COONCE/T. LEGENDRE

[illegible]

GAS WELL BACK-PRESSURE CURVE

C.W. TRAINER
GRAMA RIDGE "8" STATE #1
LEA COUNTY, NM
4/3/1998

$n = 0.5521$

$\theta = 61.1^\circ$

AOF = 299 Mcf/day

