

Submit To Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	Form C-105 Revised June 10, 2003 WELL API NO. 30-015-34005 5. Indicate Type of Lease STATE ☒ FEE ☐ State Oil & Gas Lease No.
WELL COMPLETION OR RECOMPLETION REPORT AND LOG		
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____ b. Type of Completion: NEW ☒ WORK ☐ DEEPEN ☐ PLUG ☐ DIFF. ☐ WELL OVER BACK RESVR. ☐ OTHER _____		7. Lease Name or Unit Agreement Name RED LAKE 28 K STATE
2. Name of Operator EDGE PETROLEUM OPER. CO., INC.		8. Well No. 2
3. Address of Operator 1301 TRAVIS, SUITE 2000 HOUSTON, TX 77002		9. Pool name or Wildcat ARTESIA; GLORIETTA-YESO
4. Well Location Unit Letter <u>K</u> <u>2310</u> Feet From The <u>SOUTH</u> Line and <u>2310</u> Feet From The <u>WEST</u> Line Section <u>28</u> Township <u>17S</u> Range <u>28E</u> NMPM <u>EDDY</u> County		
10. Date Spudded 4-19-05	11. Date T.D. Reached 4-26-05	12. Date Compl. (Ready to Prod.) 5-28-05
13. Elevations (DF& RKB, RT, GR, etc.) 3653' GR		14. Elev. Casinghead
15. Total Depth 3760'	16. Plug Back T.D. 3650'	17. If Multiple Compl. How Many Zones?
18. Intervals Drilled By		19. Producing Interval(s), of this completion - Top, Bottom, Name 3428-3621' YESO
20. Was Directional Survey Made NO		21. Type Electric and Other Logs Run CBL/GR/CCL, SPECTRAL DENSITY DUAL-SPACED NEUTRON, DUAL LATEROLOG
22. Was Well Cored YES		23. CASING RECORD (Report all strings set in well)
CASING SIZE	WEIGHT LB./FT.	DEPTH SET
8 5/8"	24#	412'
5 1/2"	15.5#	3760'
HOLE SIZE		CEMENTING RECORD
12 1/4"		100sx RFC, &250sx C
7 7/8"		600 sx C
AMOUNT PULLED		
NONE		
NONE		
24. LINER RECORD		
SIZE	TOP	BOTTOM
SACKS CEMENT		SCREEN
25. TUBING RECORD		
SIZE	DEPTH SET	PACKER SET
2 7/8"	3635'	
26. Perforation record (interval, size, and number) 1 SPF: 3428, 3433, 3440, 3446, 3454, 3459-65, 3472-74, 3478, 3506, 3510, 3515-29, 3531-42, 3553, 3586, 3589-91, 3595, 3619-21'. (55 HOLES)		
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.		
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	
3428-3621'	38,000 gals heated 20% HCl acid	
28. PRODUCTION		
Date First Production 5-28-05	Production Method (Flowing, gas lift, pumping - Size and type pump) PUMPING	
Well Status (Prod. or Shut-in) PRODUCING		
Date of Test 6-8-05	Hours Tested 24	Choke Size 64/64
Prod'n For Test Period	Oil - Bbl 65.01	Gas - MCF 60
Water - Bbl 389	Gas - Oil Ratio 923	
Flow Tubing Press. 30	Casing Pressure 30	Calculated 24-Hour Rate
Oil - Bbl 65.01	Gas - MCF 60	Water - Bbl 389
Oil Gravity - API - (Corr.) 40.8		
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD		Test Witnessed By
30. List Attachments C-104, Logs, Deviation Report, Sidewall Core Analysis		
31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief		
Signature 	Printed Name JIM KEISLING	Title VP PRODUCTION
E-mail Address		Date 6-29-05

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers 618	T. Devonian	T. Menefee	T. Madison
T. Queen 1216	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg 1656	T. Montoya	T. Mancos	T. McCracken
T. San Andres 1936	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta 3316	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Springs	T. Entrada	T.
T. Abo	T. YESO 3422	T. Wingate	T.
T. Wolfcamp	T.	T. Chinle	T.
T. Penn	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

WELL NAME AND NUMBER Red Lake 28K State No. 2

LOCATION 2310' FSL & 2310' FWL, Section 28, T17S, R28E, Lot K, Eddy Co. NM

OPERATOR Edge Petroleum Operating Company, Inc.

DRILLING CONTRACTOR United Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>1/2° 420'</u>	<u> </u>	<u> </u>
<u>1/2° 1004'</u>	<u> </u>	<u> </u>
<u>3/4° 1501'</u>	<u> </u>	<u> </u>
<u>1/2° 2004'</u>	<u> </u>	<u> </u>
<u>3/4° 2509'</u>	<u> </u>	<u> </u>
<u>1/2° 3013'</u>	<u> </u>	<u> </u>
<u>3/4° 3549'</u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

Drilling Contractor United Drilling, Inc.

By: George A. Aho

George A. Aho

Title: Business Manager

Subscribed and sworn to before me this 29th day of April,
2005.

Carlene Martin
Notary Public

Chaves New Mexico
County State

My Commission Expires:



Company : Edge Petroleum Operating Company, Inc.
File No. : 05364
Well : Red Lake 28 K State #2
Location : 2310' FWL & 2310' FSL, Sec. 28, T-17-S, R-28-E

Field: Red Lake
Formation:
County : Eddy County, NM

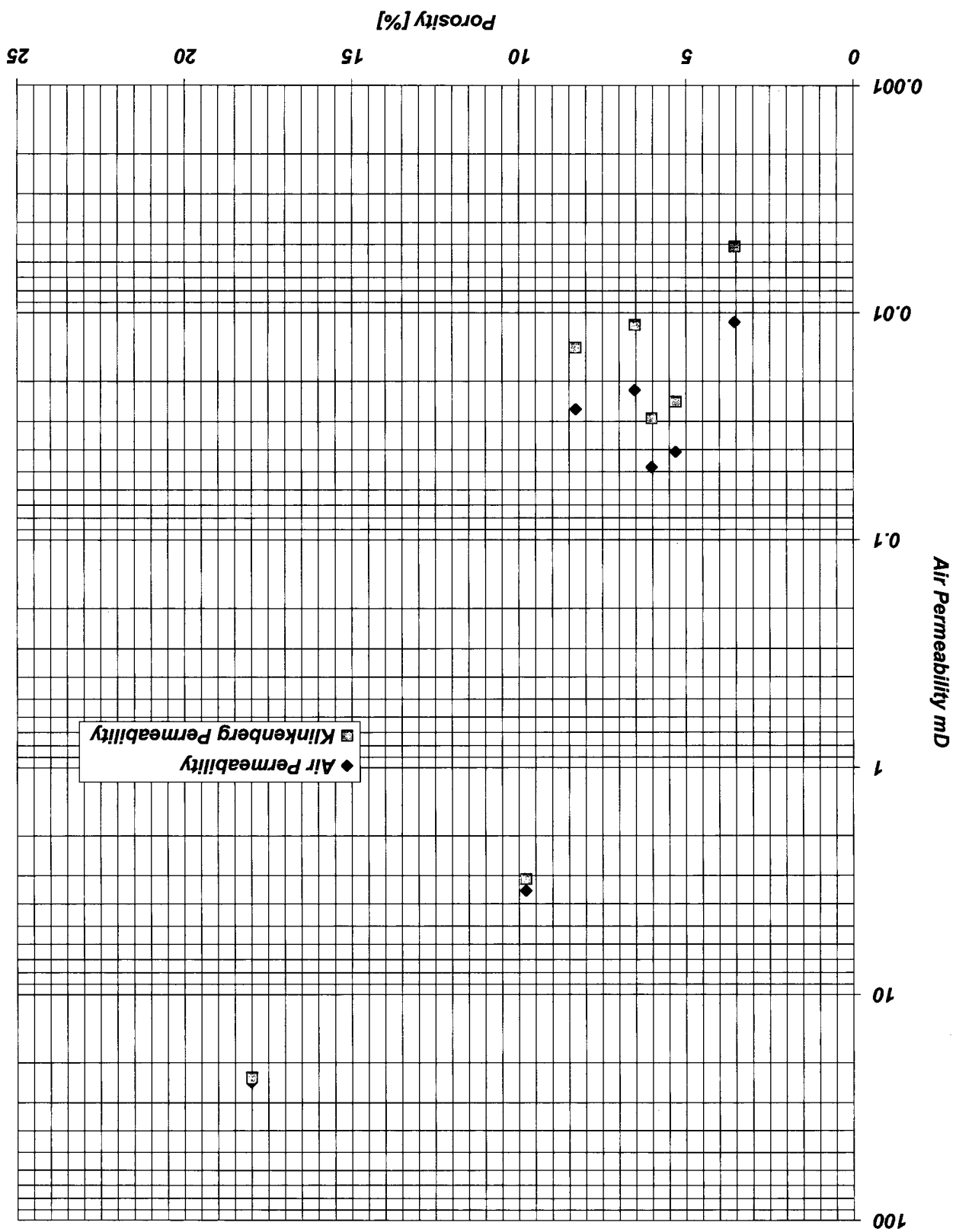
Sample Number	Depth	Grain Density	Porosity	Air Perm	Kk Perm	Porosity	Air Perm	Kk Perm	Porosity	Air Perm	Kk Perm
	ft	g/cc	%	mD	mD	%	mD	mD	%	mD	mD
Confining Pressure 500psi											
1	702.0	2.90	9.98	3.49	3.09	9.80	3.5	3.1	Confining Pressure 1,000psi		
2	720.0	2.84	18.15	24.30	23.07	18.01	24.3	23.1			
3	737.0	2.89	6.79	0.0282	0.0155	6.54	0.0218	0.0113			
4	1920.0	2.73	6.51	0.0586	0.0372	6.03	0.0477	0.0290			
5	1928.0	2.75	3.50	0.0102	0.0047	3.55	0.0110	0.0051			
6	2005.0	2.71	5.41	0.0556	0.0352	5.31	0.0408	0.0245			
7	2162.0	2.87	8.40	0.0289	0.0158	8.30	0.0265	0.0142			
8	2391.0	tbfa	tbfa	tbfa	tbfa						
9	2580.0	2.82	7.48	0.3174	0.2520	7.03		0.2180	0.1637		
10	2685.0	2.83	5.24	0.0340	0.0196	4.92		0.0235	0.0125		
11	2795.0	2.82	6.19	0.1073	0.0738	5.42		0.0862	0.0581		
12	2889.0	2.81	5.20	0.0116	0.0055	4.92		0.0157	0.0062		
13	2954.0	2.83	5.07	0.0336	0.0197	4.73		0.0189	0.0096		
14	3037.0	2.79	14.77	13.60	12.76	14.48		13.44	12.61		
15	3181.0	2.82	13.16	9.96	9.26	12.70		9.83	9.14		
16	3274.0	2.80	6.97	1.22	1.03	6.60		0.9599	0.8038		
17	3418.0	2.73	5.68	0.3959	0.3225	5.33		0.1367	0.0997		
18	3454.0	2.84	6.10	tbfa	tbfa						
19	3533.0	2.75	8.64	0.0588	0.0369	8.33		0.0457	0.0267		
20	3540.0	2.73	10.15	0.0466	0.0285	9.51		0.0345	0.0192		

Company : Edge Petroleum Operating Company, Inc.
File No. : 05364
Well : Red Lake 28 K State #2
Location : 2310' FWL & 2310' FSL, Sec. 28, T-17-S, R-28-E

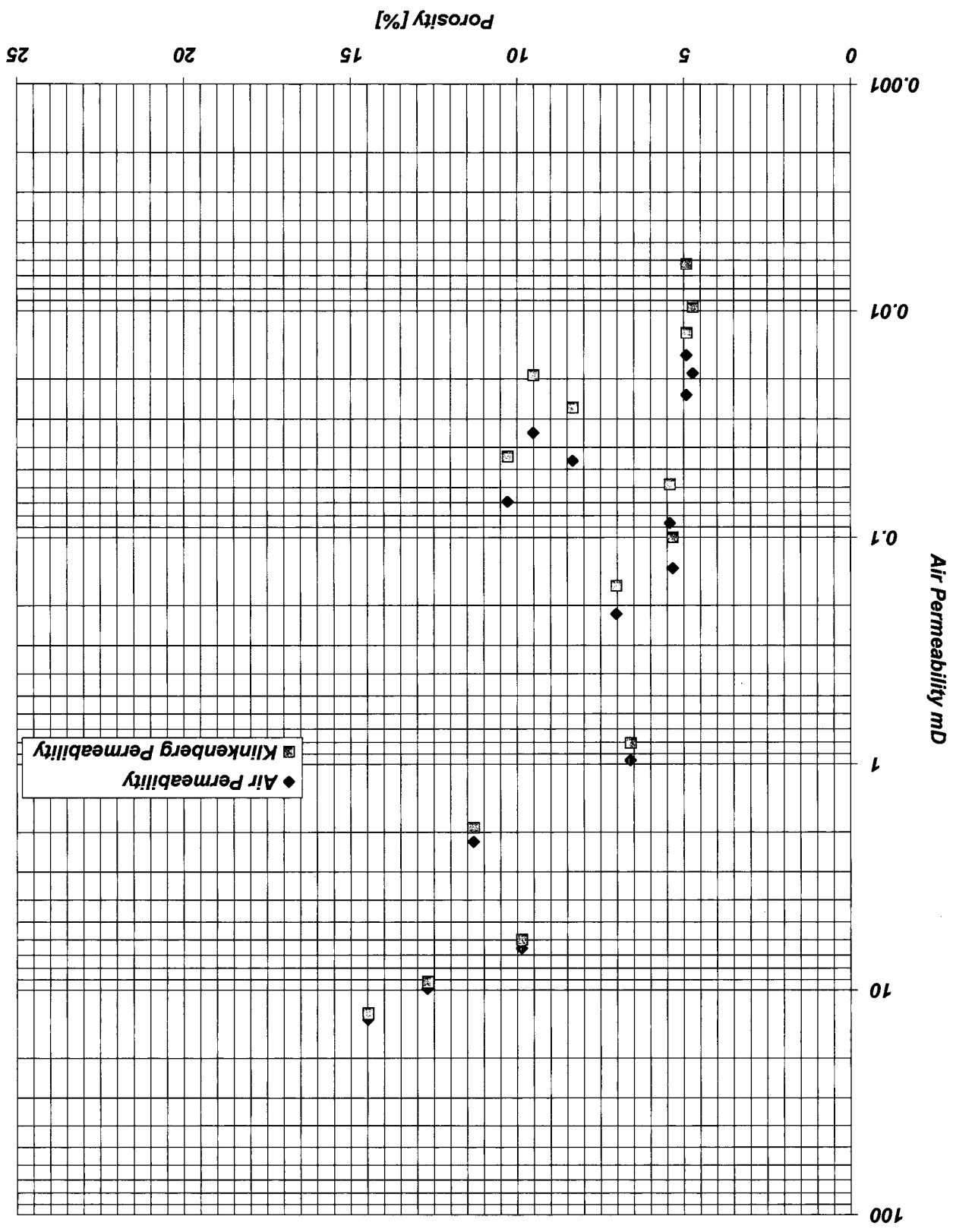
Field: Red Lake
Formation:
County : Eddy County, NM

Sample Number	Depth	Grain Density	Porosity	Air Perm	Kk	Perm	Porosity	Air Perm	Kk	Perm	Porosity	Air Perm	Kk
	ft	g/cc	%	mD	mD	mD	%	mD	mD	mD	%	mD	mD
Confining Pressure 500psi													
21	3540.5	2.75	10.55	0.0847	0.0560								
22	3590.0	2.85	10.21	6.46	5.91								
23	3620.0	2.85	11.54	2.28	1.98								
Confining Pressure 600psi													
Confining Pressure 1,000psi													

Permeability versus Porosity @ 600psi



Permeability versus Porosity @ 1,000psi



Drilled Sidewall Core Analysis Report

Company : Edge Petroleum Operating Company, Inc.
File No. : 05364
Well : Red Lake 28 K State #2
Location : 2310' FWL & 2310' FSL, Sec. 28, T-17-S, R-28-E

Field: Red Lake
Formation:
County : Eddy County, NM

Sample Number	Depth	Air Permeability	Klinkenberg Permeability	Porosity	Grain Density	Sw	So	Gas	Fluorescence	Sample Description
	ft	mD	mD	%	g/cc	%	%	Units	%	Description

Confining Pressure 500psi

1	702.0	3.49	3.09	9.98	2.90	61.1	13.3	500+	30	Gld-brt gld sp
2	720.0	24.30	23.07	18.15	2.84	45.0	28.2	500+	85	DI gld sp
3	737.0	0.028	0.016	6.79	2.89	62.4	22.3	500+	70	Gld-brt gld sp
4	1,920.0	0.059	0.037	6.51	2.73	71.2	0.0	7	0	
5	1,928.0	0.010	0.005	3.50	2.75	72.7	0.0	10	0	Contam
6	2,005.0	0.056	0.035	5.41	2.71	72.1	0.0	24	0	
7	2,162.0	0.029	0.016	8.40	2.87	24.9	19.4	276	100	Brt yl
8	2,391.0	tbfa	tbfa	tbfa	tbfa	tbfa	tbfa	118	tr	Brt yl bof
9	2,580.0	0.317	0.252	7.48	2.82	24.0	17.4	500+	50	Gld-brt gld sp
10	2,685.0	0.034	0.020	5.24	2.83	28.1	13.9	338	30	Gld-brt gld sp
11	2,795.0	0.107	0.074	6.19	2.82	40.0	11.2	148	30	Gld-brt gld sp
12	2,889.0	0.012	0.006	5.20	2.81	30.9	6.2	154	5	Gld-brt gld sp
13	2,954.0	0.034	0.020	5.07	2.83	67.6	7.2	59	10	DI gld sp
14	3,037.0	13.60	12.76	14.77	2.79	36.7	13.2	500+	90	Yl-dl yl sp
15	3,181.0	9.96	9.26	13.16	2.82	43.7	18.3	500+	20	Yl-brt yl sp
16	3,274.0	1.22	1.03	6.97	2.80	27.4	13.5	500+	30	Brt gld sp
17	3,418.0	0.40	0.32	5.68	2.73	82.0	0.0	24	0	
18	3,454.0	tbfa	tbfa	6.10	2.84	20.6	16.9	264	70	Yl-gld sp
19	3,533.0	0.059	0.037	8.64	2.75	27.1	17.3	500+	85	Pl yl-gld sp
20	3,540.0	0.047	0.029	10.15	2.73	22.2	21.4	500+	90	Pl yl-gld sp
21	3,540.5	0.085	0.056	10.55	2.75	25.0	22.8	500+	100	Pl yl-gld sp
22	3,590.0	6.46	5.91	10.21	2.85	26.7	12.7	500+	80	Brt gld sp
23	3,620.0	2.28	1.98	11.54	2.85	23.4	16.7	500+	50	Pl yl-gld sp

Note: 500+ gas reading represents a saturated detector filament
 1% CH4 in air = 100 gas units
 Note: TBFA indicates samples that are too broken for analysis

Permeability versus Porosity @ 500psi Confining Pressure

