

DEEP WELL

Farm name:

Oscar Barker

Divi Well

Date:	August 2, 2001
API#	47-099-02040

CNR #14

State of west withing	
ision of Environmental Protection	
Section of Oil and Gas	
l Operator's Report of Well Work	, man exercises and an artist and a second and

Operator Well No.:

LOCATION:		979'	Qu	adrangle:	Radnor				
	District:	Lincoln			County:	Wayr	ne		
	Latitude:	8,190' fe	et South of	38° E	EG.	7'	MIN.	30" SEC.	
	Longitude:		et West of	82° E	EG.	27'	MIN.	30" SEC.	
	— g	,							
Company: Cabot C)il & Gas Cori	poration		Casing	Use	d	Left	Cement	
Company: Cabot Oil & Gas Corporation 900 Lee Street East, Suite 500				&	in	į	in	Fill up	
Charleston, WV 25301				Tubing	Drill	ing	Well	Cu. Ft.	
,	,			Size					
Agent:		John Abshire				100			
Inspector:		Dave Belcher		16"		1	34'	-	
Permit Issued:		2/21/01							
Well Work Comme	nced:	5/6/01		9 5/8"			621'	289 sks	
Well Work Comple		5/23/01							
Verbal Plugging				7"			1810'	310 sks	
Permission granted	l on:								
	Cable			4 1/2"			4040'	115 sks	. \
Total Depth (feet)		4174'						Latex	
Fresh Water Depth	ıs (ft)	190'							
Salt Water Depths		2', 1067', 11	28',				Street Street	RECEIVED	-
я.		1252', 1378'					1	Office of Oil & G	as
Is coal being mined	l in area (Y / N	v)?						Permitting	[
Coal Depths (ft)	226'-228',	381'-383', 5	58'-560', 7	15'-720'				AUG 2 2 201	1
							,	MOU 2 2 ZUI	J
OPEN FLOW DAT	ΓA								8
		RIG SIX	Pav	zone depth	(ft)	3960'-	3968'	W Department	of
Producing formati	on E	BIG SIX		zone depth			Envi	W Department ronmental Prote	of ection
	on E	BIG SIX MCF/d		zone depth Initial oper		0	Bbl/d	W Department ronmental Prote	of ection
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For: CABOT OIL & GAS CORPORATION

Operations Manager

Perforate Big Six w/ 3 3/8" Tag Gun, 3 SPF (38gm., 0.40" dia. hole), 25 shots total, from 3960' KB to 3968' KB. Treat with 14 bbl fluid at 8 bbl/min, break down pressure was 4000 psi at surf., 5700 psi at bottom hole. Pumped 82 bbl total slurry (unfoamed volume), 3100 lb sand. 162 MSCF/N2. ATP 4277 psi, MTP 7663 psi, AIR (N2) 1218 bbl/min, MIR(N2) 3411 bbl/min. Well screened out after 2 bbl of 1/2 lb per gal sand hit the perfs. Could not cut rate fast enough to continue pumping. Shut down at 7000 psi. ISIP 6573 psi. 5min SIP 6042 psi. 10 min SIP 5832 psi. 15 min SIP 5690 psi. After the 15 min SIP reading, attempted to pump into formation again using fluid instead of foam. Pumped 4 bbl of fluid and the pressure went to 6300 psi top hole and 7663 psi at top of cement.

FORMATION	ТОР	воттом	REMARKS
Breathitt Fm	Surface	920	
Lee Fm (Salt Sand)	920	1330	
Pennington Fm	1330	1400	
Little Lime	1400	1430	
Big Lime	1430	1605	
Injun	1605	1730	
Borden	1730	2190	
Coffee Shale	2190	2213	
Berea	2213	2334	
Devonian Shale	2334	3288	વ
Corniferous Lime	3288	3960	
Big Six	3960	3999	
Rose Hill	3999	4174	

RECEIVED Office of Oil & Gas Permitting

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WV Department of Environmental Protection